



Aluminium reference materials

optical emission spectroscopy • x-ray fluorescence • calibration • daily monitoring



Contents

4	Introduction	135	AlSn-alloys
8	Pure Aluminium Pure Aluminium as Sets	137	AlZn-alloys AlZn as Sets
19	Low alloyed Aluminium Low alloy Aluminium as Sets	141	AlSiZn-alloys AlSiZn only as Set
24	AlSi-alloys AlSi as Sets AlSi only as Set	144	Selected Elements in Aluminium Standards Silver in Aluminium Boron in Aluminium Beryllium in Aluminium Calcium in Aluminium Cobalt in Aluminium Cadmium (and Lead) in Aluminium Copper in Aluminium Iron in Aluminium Antimony in Aluminium Antimony and Gallium in Aluminium Mercury in Aluminium Lithium in Aluminium Lithium in Aluminium as Sets Manganese in Aluminium Sodium in Aluminium Nickel in Aluminium Phosphorus in Aluminium Silicium in Aluminium Titanium in Aluminium Zinc in Aluminium Zirconium in Aluminium
43	AlSiCu-alloys AlCu only as Set		
58	AlSiCuMg-alloys		
63	AlCu-alloys AlCu as Sets AlCu only as Set		
72	AlSiCuZn-alloys		
73	AlCuFe-alloys		
76	AlCuMg-alloys AlCuMg-samples for special price		
80	AlCuMgZn-alloys AlCuMgZn-samples for special price		
85	AlCuNi-alloys	159	Aluminium for RoHS / WEEE ROHS/WEEE as Sets
87	AlFe-alloys	160	Setting Up Samples / Recalibration Setting-up Samples by ARMI Setting Up Samples SUS SUS by Brammer Samples from former AluSuisse SUS and Monitors by former Pechiney Special-SUS for older ARL Alcoa SUS SUS from VAW (Hydro) Other SUS
91	AlMg-alloys AlMg-samples for special price AlMg as Sets AlMg only as Set		
110	AlMgSi-alloys		
116	AlMgZn-alloys		
122	AlMn(Mg)-alloys AlMn as Sets	173	Index

Reference chart for atomic and mass spectrometry



LGC manufactures and supplies:

- Aqueous inorganic calibration standards
- Metallo-organic and petrochemical standards
- Solid metals Certified Reference Materials
- Plastics, coal and paint Certified Reference Materials
- User-specified custom calibration standards
- Over 40 unique Proficiency Testing schemes
- Expert technical support and customer service
- Other matrix materials including blood, soils and waters

LGC Quality - ISO Guide 34 • ISO 9001 • ISO/IEC 17025 • ISO/IEC 17043

1	H	2	He	
3	Li	4	Be	
11	Na	12	Mg	
19	K	20	Ca	
21	Sc	22	Ti	
23	V	24	Cr	
25	Mn	26	Fe	
27	Co	28	Ni	
29	Cu	30	Zn	
31	Ga	32	Ge	
33	As	34	Se	
35	Br	36	Kr	
37	Rb	38	Sr	
39	Y	40	Zr	
41	Nb	42	Mo	
43	Tc	44	Ru	
45	Rh	46	Pd	
47	Ag	48	Cd	
49	In	50	Sn	
51	Sb	52	Te	
53	I	54	Xe	
55	Cs	56	Ba	
57-71	Lanthanides			
72	Hf	73	Ta	
74	W	75	Re	
76	Os	77	Ir	
78	Pt	79	Au	
80	Hg	81	Tl	
82	Pb	83	Bi	
84	Po	85	At	
86	Rn	87	Fr	
88	Ra	89-103	Actinides	
104	Rf	105	Db	
106	Sg	107	Bh	
108	Hs	109	Mt	
110	Ds	111	Rg	
112	Cn	113	Nh	
114	Fl	115	Mc	
116	Lv	117	Ts	
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Introduction

LGC Standards provides the widest range of reference materials from a single supplier. We work closely with the leading manufacturers to provide laboratories worldwide with improved access to reference materials, covering an increasingly large range of parameters. Our network of offices in Europe, US, UAE, China and India combined with our extensive experience in selling reference materials and our technical expertise allows LGC Standards to work in partnership with our customers to provide fast delivery together with sound technical advice as well as dealing with complex import and export regulations.

About LGC and LGC Standards

LGC Standards is part of LGC, an established leader in laboratory services, measurement standards, reference materials and proficiency testing. LGC's Science and Technology Division acts as the designated UK National Measurement Institute (NMI) for chemical and bioanalytical measurement, and has a long history in the development and validation of analytical methods and the production of reference materials.

LGC's Science and Technology Division is accredited to ISO Guide 34 (General requirements for the competence of reference materials producers) for the production of reference materials.

Breitländer GmbH has been a specialist company in reference materials since 1972 and was acquired by LGC Standards in 2007, joining forces to offer the most extensive range of certified reference materials and standards. Breitländer also brought high quality sample preparation equipment to the portfolio.

Industrial Analytical (Pty) Ltd was formed in 1988 specifically to meet the ever-increasing demand in industry to supply Reference Materials for verifying analytical results and proving quality of characterization. Now the single largest supplier of Certified Reference Materials, not only in the Republic of South Africa, but also in the African continent as a whole, Industrial Analytical was acquired by LGC Standards in 2011.

Analytical Reference Materials International (ARMI) was founded in 1984 and is a market leader in the chemical characterization and certification of metal alloys. Based in Manchester, NH in the USA, ARMI produces and distributes reference materials into markets worldwide and runs interlaboratory testing schemes covering a range of alloy materials. ARMI became part of LGC Standard in 2012.

VHG Labs is a leading manufacturer and supplier of single-element, multi-element, and custom blended petroleum, aqueous, and solid analytical reference materials and calibration standards. Additionally, we provide consumables and supplies for ICP, ICP-MS, AA, GFAA and XRF instruments. Our calibration standards and reference materials are manufactured in our ISO Guide 34 accredited lab and certified in our ISO 17025 accredited testing lab. VHG became part of LGC Standards in 2012.



This catalogue

This catalogue features certified reference materials and setting-up samples for the aluminium industry. It provides an updated and relevant listing of the available materials on the market. The products are listed in groups according to type and/or manufacturer. An index of all products is included in the back of the catalogue, listed by name and catalogue number.

The analytical data is given in mass percentage. They have to be considered as typical or pilot values, the proper values are to be found in the certificate only, supplied together with the sample. Values in brackets () are not certified and listed for information only. Reference materials can only be produced in limited numbers, mostly due to homogeneity reasons, thus follow-up melts will differ slightly in composition and may differ in dimension between batches. In case you need an exact value or more information on manufacture, material property, methods, uncertainties, etc. prior to selection, do not hesitate to ask for more information.

Producers of reference materials

This catalogue brings together products from a wide variety of sources. These include certified reference materials from National Measurement Institutes and also reference materials and setting-up samples from many different producers. Most products are supplied with a certificate of analysis although the layout and format of the certificates will vary according to the producer. Setting-up samples come with an information sheet only.

The use of reference materials

Reference materials are instrumental in ensuring the reliability of analytical measurements and so ensuring the use of high quality data as the basis of decision making.

When choosing a matrix reference material for a particular application the analyst should consider the following factors before selecting the material:

- Matrix match and potential interference
- Analytes
- Measurement range
- Measurement uncertainties
- Certification procedures used by the producer
- Documentation supplied with the material (e.g. certification or report).



Certified Reference Material (CRM)

Reference material, accompanied by a certificate, one or more of whose property values are certified by a procedure which establishes its traceability to an accurate realization of the unit in which the property values are expressed, and for which each certified value is accompanied by an uncertainty at a stated level of confidence. The CRMs are certified by a recognized certifying organization using approved certification procedures as instructed in ISO Guide 35:2006 “Reference Materials – General and statistical principles for certification”. A CRM is the highest order to which an analytical reference material can be elevated because of the traceability to SI units and because of the attributed confidence in the company or organization which produced the material.

Reference Material (RM)

A material or substance one or more of whose property values are sufficiently homogeneous and well established to be used for calibration of an apparatus, the assessment of a measurement method or for assigning values to materials. The RMs usually have been through interlaboratory testing using many analysts and are supplied with a certificate of analysis but do not strictly follow all procedures of certification as indicated in ISO Guide 35. Certificates of RMs often state that the measurement data is traceable to primary CRMs.

Setting-Up Samples (SUS)

Materials of minimum inhomogeneity to be used for monitoring or adjustment of the analytical signal of the instruments. These materials are assigned values during calibration with CRMs and RMs, thus they do not have a certified analysis, but a guiding one only. Such standards are also referred to as “re-calibration samples”, “drift control samples” and “monitor samples”.

General ordering information

Prices and delivery procedures are available from your local LGC Standards sales office.

Unless otherwise agreed in advance and in writing, orders are accepted only against LGC Standards standard terms and conditions of sale.

LGC Standards technical staff are available to advise on the use and suitability of a particular product. Customers requiring assistance with the use or application of a particular material should contact their local LGC Standards office. Contact details are provided on the back of this catalogue.

For any additional information please visit www.lgcstandards.com.

More catalogues

LGC Standards will be releasing additional catalogues to cover the rest of our extensive range of reference materials and standards including:

- Copper base
- Aluminum base
- Non-ferrous base
- Precious metals
- Steel
- XRF Glass
- Mechanical testing
- Combustion and wet chemistry analysis.

Additional materials

This catalogue presents a wide selection of the materials available for aluminium analysis at the time of going to print. New materials are constantly being added to our range, and we can often source products for a specific application so if you do not find the materials you need, please contact us. We also have many other ranges of materials which may be associated with aluminium testing for which other catalogues or listings are available such as soils, waters, industrial materials, metals, ores, petroleum and many others.



Pure Aluminium

Code	Product																	Unit
VAW-R12	(a)	CRM	Al, pure, Kryal, Ø 60x20 mm															disc
VAW-R02	(b)	CRM	Al, pure, Kryal, Ø 60x20 mm															disc
VAW-R09	(c)	CRM	Al, pure, Kryal, Ø 60x20 mm															disc
VAW-R17	(d)	CRM	Al, pure, Kryal, Ø 60x20 mm															disc
ALPEC-9201	(e)	CRM	Al, pure, Raffination, Ø 55x30 mm															disc
VAW-R16	(f)	CRM	Al, pure, Kryal, Ø 60x20 mm															disc
VAW-1067	(g)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1062	(h)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1066	(i)	RM	Al, pure, Ø 60x20 mm															disc
ALPEC-9203	(j)	CRM	Al, pure, Raffination, Ø 55x30 mm															disc
VAW-1071	(k)	RM	Al, pure, Ø 60x20 mm															disc
		Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	La	Li	Mg
	(a)		0.00054	<0.00001						0.000039		0.000001	0.000068	0.00003	<0.00001	0.000007		0.00008
	(b)											0.000002	(<0.00004)					
	(c)		<0.000008	<0.00005						<0.000001		0.000004	0.00004	0.00005	<0.000001	<0.000001		0.00008
	(d)		0.000017	0.0002						0.000038		0.000005	0.00025	0.0002	0.000002	0.000009		0.00024
	(e)			0.00005								0.000008	0.000035	0.00005				0-0.00005
	(f)		0.000001	<0.00002						0.000044		0.000008	0.000032	0.00005	<0.000001	0.000015		0.00019
	(g)	<0.00001	0.00002	0.0002	<0.00002	<0.00001	<0.00001	<0.00006	<0.00001	0.00004	<0.00001	<0.00001	0.00025	0.0002	<0.00001		<0.00001	0.00024
	(h)	<0.00001	0.00054	<0.0001	<0.00005	<0.00001	<0.00001	<0.00005	<0.00001	0.00004	<0.00001	<0.00001	0.00007	0.00003	<0.00001		<0.00002	0.00008
	(i)	<0.00001	<0.00001	<0.00003	<0.00002	<0.00001	<0.00001	<0.00002	<0.00001	0.00004	<0.00001	0.00001	0.00003	0.00005	<0.00001		<0.00001	0.00019
	(j)			0.00135								0.000016	0.00399	0.00131				0.00040
	(k)	<0.00001	0.00007	<0.00005	<0.00002	<0.00001	0.00001	<0.00003	<0.00001	0.00005	<0.00001	0.00002	0.00015	0.0003	<0.00001		<0.00001	0.00018
		Mn	Na	Nd	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Th	Ti	U	V	Zn	Zr
	(a)	0.000003		0.000024	<0.00005		0.000005	0.00011	0.000004	0.0001			0.0000055	0.000011	0.0000016	<0.000006	0.000005	0.00003
	(c)	0.000006		<0.000001	<0.00001		0.000002	<0.000001	0.000009	<0.0001			<0.0000001	<0.00005	<0.0000001	<0.00001	0.00002	<0.00002
	(d)	<0.00003		0.000019	<0.00001		0.00002	0.000008	0.000006	0.0003			0.0000063	0.000031	0.0000095	<0.00002	0.000053	0.00012
	(e)	0.000004								0-0.0005				0.00002			0-0.00002	0.000033
	(f)	<0.00003		0.000021	<0.000013		<0.000003	0.000003	0.000007	0.00012			0.0000052	0.000017	0.0000056	<0.00001	0.00001	0.00006
	(g)	<0.00003	<0.00008		<0.00001	0.0018	0.00002	0.00001	<0.00002	0.0003	<0.0003	<0.00002		0.00003		<0.00002	0.00005	0.00012
	(h)	<0.00001	<0.00004		<0.00001	0.0004	<0.00001	0.00011	<0.00002	0.0001	<0.00002	<0.00002		0.00001		<0.00001	<0.00002	<0.00006
	(i)	<0.00003	<0.00008		<0.00002	<0.0002	<0.00001	<0.00001	0.00001	0.00012	<0.0003	<0.00002		0.00002		<0.00001	0.00001	0.00006
	(j)	0.000014								0.0011				0.00045		0.00008	0.00106	
	(k)	0.00002	<0.00008		0.00002	0.0005	0.00001	0.0001	<0.00001	0.0005	<0.0003	<0.00002		0.00009		<0.00002	0.00003	0.00002

ALPEC-9206	(a)	CRM	Al, pure, Raffination, Ø 55x30 mm																disc
VAW-1003	(b)	RM	Al, pure (Raffinal), Ø 60x20 mm																disc
ALSUI-112/03	(c)	CRM	Al, pure, Ø 60x25 mm																disc
VAW-1001	(d)	RM	Al, pure (Raffinal), Ø 60x20 mm																disc
VAW-1000-1	(e)	CRM	Al, pure CRM, Ø 60x20 mm																disc
VAW-1005	(f)	RM	Al, pure (Raffinal), Ø 60x20 mm																disc
SEI-NKHP-NDC2	(g)	CRM	Pure Aluminium, Ø 60x25 mm																disc
ALCOA-SS1000	(h)	CRM	Al, pure, Ø 64x25 mm																disc
ALSUI-113/03	(i)	CRM	Al, pure, Ø 60x25 mm																disc
			Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	La
	(a)		0-0.000005					0-0.000005			0-0.000002	0-0.000006				0.000006		0-0.000001	0-0.000001
	(b)				0.00013				0.00006				<0.00004	0.003	0.0045				
	(c)		0-0.00001	0.00001	0.00001	0-0.00001	0-0.00001	0-0.00001	0-0.00001	0-0.00001	0.00005	0-0.00001	0-0.00001	0-0.00004	0.00006	0-0.00001	0-0.00001	0-0.00001	0.00001
	(d)		<0.00001	0.00007	0.00016	<0.00005			0.00007	<0.00002	0.0001	<0.00005	<0.00004	0.00013	0.00086	<0.0001			
	(e)		<0.00001	0.00004	<0.00002	<0.00002	<0.00003	<0.00004	<0.00007	<0.00002	0.00005	<0.00002	<0.00006	0.00011	0.00027	<0.00002			
	(f)				0.0002	<0.00005			<0.00005				0.00006	0.0011	0.0018				
	(g)				<0.0001				<0.0001				<0.0001	<0.0001	0.0001				
	(h)		<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001		
	(i)				0.009		0-0.00001	0.00053	0-0.0001	0-0.00001		0.0005	0-0.0001	0.00023	0.0054	0.00007			
			Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Se	Si	Sn	Sr	Ti	Tl	V
	(a)							0.00006		0.00002					0.000010				
	(b)			0.0005	0.0005			<0.00004						0.0035			<0.00003		
	(c)		0-0.00001	0.00005	0-0.00001	0-0.00001	0-0.00001	0-0.00001	0-0.00012	0-0.00001	0.00003	0-0.00001	0-0.00001	0.00007	0-0.00001	0-0.00001	0-0.00001	0-0.00001	0-0.00001
	(d)			0.0014	0.00007			0.00006	0.0006	0.00005	0.003	0.00003		0.0048		<0.00002	0.00008		<0.00002
	(e)		<0.00002	0.00028	0.00005		<0.00001	<0.00004	0.0004	<0.00002	<0.0001	<0.00002		0.0012	<0.00005	<0.00002	0.00002		<0.00004
	(f)			0.0018	0.0012		<0.00002	0.00005			0.00006	<0.00003		0.0027			<0.00002		
	(g)			<0.0001	<0.0001		<0.0001	<0.0001						0.001			<0.0001		<0.0001
	(h)		<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		0.0002	<0.0001	<0.0001	<0.0001		<0.0001
	(i)		0-0.00001	0.0008	0.0001		0-0.00005	0.0001	0.0013	0.0007	0.00065			0.0012	0.0006		0.00011		0.00039
			W	Zn	Zr														
	(a)				0-0.00003														
	(b)			0.0045															
	(c)		0-0.00001	0-0.00001	0-0.00001														
	(d)			0.0009	<0.00001														
	(e)			0.00035	<0.00002														
	(f)			0.0022															
	(g)			<0.0001															
	(h)			<0.0001	<0.0001														
	(i)			0.00025	0.0003														

Pure Aluminium

ALPEC-149	(a)	CRM	Al, pure, Ø 55x30 mm																	disc
VAW-1004	(b)	RM	Al, pure (Raffinal), Ø 60x20 mm																	disc
VAW-1002-1	(c)	CRM	Al, pure, Ø 60x20 mm																	disc
VAW-1202-1	(d)	CRM	Al, pure, Ø 60x20 mm																	disc
VAW-1203	(e)	RM	Al, pure, Ø 60x20 mm																	disc
VAW-1200-1	(f)	CRM	Al, pure, Ø 60x20 mm																	disc
ALPEC-9202	(g)	CRM	Al, pure, Raffination, Ø 55x30 mm																	disc
VAW-1209-1	(h)	CRM	Al, pure, Ø 60x20 mm																	disc
VAW-1401	(i)	RM	Al, pure, Ø 60x20 mm																	disc
VAW-1403	(j)	RM	Al, pure, Ø 60x20 mm																	disc
			Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	
	(a)													0.00010	0.0029	0.0180	0.0032			
	(b)					0.0001				0.00006				0.00014	0.0036	0.0064				
	(c)	<0.00005		<0.00005	0.00012	0.00053	<0.00001	<0.0001		0.00028	<0.00005	<0.0001	<0.0001	<0.0002	0.00029	0.00106	<0.00005			
	(d)				0.0002									<0.0002	0.0007	0.024	0.0001			
	(e)									<0.0001			<0.0005	<0.0003	0.0021	0.022	0.0035			
	(f)	<0.0001			0.0002	0.0001	<0.0001	<0.0002		<0.0002	<0.0001	<0.0002	<0.0001	0.0004	0.0054	0.0027	<0.0001	<0.0002	<0.0001	
	(g)				0.00046									0.000501	0.00098	0.00397				
	(h)	0.0001			0.005	<0.0001	<0.0001	0.053		<0.0002	<0.0001		<0.0001	<0.0006	0.074	0.0018	0.005	<0.0001	<0.0004	
	(i)									<0.0002				0.0006	0.019	0.038	0.004			
	(j)	<0.0002	(99.7)		0.0006					<0.0002				0.0007	0.014	0.092	0.0054	<0.0002		
			Li	Mg	Mn	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr		
	(a)			0.0004	0.0005		0.0005		0.0004			0.0200	0-0.0001		0.0006		0.0038			
	(b)			0.0025	0.0012		0.00014	0.0004				0.0076			0.0001		0.0068			
	(c)	<0.00002	0.00079	0.0002	<0.0001	<0.0002	0.0005	<0.00002	<0.00005	<0.0001	0.0071	<0.0001	<0.00005	<0.0001	<0.00005	0.00157	<0.00005			
	(d)		0.0021	0.0004		0.0022			0.011		0.014	<0.0005			<0.0002	<0.0003	0.0021	<0.0002		
	(e)		0.0014	0.0014		0.0006					0.052	<0.0001			0.002		0.019	0.0009		
	(f)	<0.0001	0.0011	0.0107	<0.0001	0.0004	0.0006		0.0032		0.01	<0.0002	<0.0001	0.0001	<0.0001	0.0062	<0.0001			
	(g)		0.00088	0.00046							0.0039				0.00018	0-0.00002	0.00031			
	(h)	<0.0001	0.0002	0.0001	<0.0002	0.02	0.0056		0.04		0.013	0.022	<0.0001	<0.0002			0.0002	<0.0001		
	(i)		0.001	0.0015	<0.0001	0.0011		0.0006			0.062				0.0022	0.0025	0.012	0.0017		
	(j)		0.0084	0.0066		0.0024	<0.0004	0.0005			0.089				0.0025	0.0097	0.024	0.002		

ALSUI-114/03	(a)	CRM	Al, pure, Ø 60x25 mm																disc
ALCOA-WA1199	(b)	CRM	Al, pure, Ø 64x19 mm																disc
ALSUI-117/02	(c)	CRM	Al, pure, Ø 60x25 mm																disc
ALPEC-9204	(d)	CRM	Al, pure, Raffination, Ø 55x30 mm																disc
ALPEC-122C/01	(e)	CRM	Al, pure, Ø 60x26 mm																disc
ALPEC-574	(f)	CRM	Al, pure, Raffination, Ø 55x30 mm																disc
ALCOA-SS1188	(g)	CRM	Al, pure, Ø 64x25 mm																disc
BAS-BCS-RM 195G	(h)	RM	Aluminium (300g blocks), 90x35x35 mm																disc
BAS-BCS-RM 198F	(i)	RM	Super Pure Al (100g blocks), 65x20x45 mm																disc
			Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In
	(a)		0-0,00005		0-0,0001	0.017	0-0,0001	0-0,00005	0.0011	(0,0001)	0.0031	0-0,0001	0.00104	0.0006	0.0018	0.005	0.0011	0-0,0001	0-0,0001
	(b)		0.001x			<0.0010		0.0005	0.001x	<0.0005	0.001x		0.001x	0.001x	0.001x	0.002x	0.001x		
	(c)		0.0003		(0,0002)	(0,0013)	0.00014	0.00056	0.0032	(0,0002)	0.0006	0.0022	0.0014	0.0013	0.0020-0,0024	0.0155	0.0014	0.0004	0.0007
	(d)					0.00014								0.00210	0.00984	0.00889			
	(e)										0.00020		0.0008	0.0027	0.0148	0.0981	0.0009		
	(f)											0.0054	0.00475	0.0094	0.0175	0.00585			
	(g)		<0.0010		<0.0010	<0.0010		<0.0005	<0.0010	<0.0005	<0.0010		<0.0010	<0.0050	<0.0050	0.06x	0.02x	<0.0005	
	(h)			99.85											0.001	0.08	0.009		
	(i)			99.99											0.005	0.001			
			La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Se	Si	Sn	Sr	Ta	Ti
	(a)		0-0,0001	0.0002	0.0013	0.0019	0-0,0001	0-0,0001	0.0009	0.0004	0.0017	0.0021		0.00011	0.0034	0.0012	0-0,0001	0-0,0001	(0,0004)
	(b)			<0.0005	0.001x	0.001x		<0.0005	0.001x		0.003x	0.001x			<0.0010	0.001x	0.001x		0.001x
	(c)		0.0012	0.00006-0,00011	0.002	0.001		0.00030-0,00045	0.0016	0.0005	0.0022	0.0003			0.0162	0.0022			(0,003)
	(d)				0.00191	0.00154									0.0097				0.00341
	(e)				0.0042	0.0104			0.0024		0.0146	0.0032			0.0585	0.0147			0.0038
	(f)				0.0325	0.0052			0.00556		0.0051				0.0152	0.00550			0.00570
	(g)			<0.0005	0.01x	0.005x		<0.0005	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010		0.04x	<0.0010	<0.0010		0.01x
	(h)					0.001									0.035				
	(i)														0.002				
			Tl	V	Zn	Zr													
	(a)		0-0,0001	0.00008	0-0,0002														
	(b)			0.001x	0.001x	0.001x													
	(c)			0.0017	0.0013	0.0022													
	(d)			0.00127	0.00434														
	(e)			0.0018	0.0153	0.00010													
	(f)				0.0138														
	(g)			0.01x	0.01x	<0.0010													
	(h)			0.004	0.015														

Pure Aluminium

ALSUI-116/04	(a)	CRM	Al, pure, Ø 60x25 mm																	disc
ALCAN-HPFK	(b)	CRM	Al, pure, Ø 57x25 mm																	disc
ALPEC-566	(c)	CRM	Al pure , Ø 55 x 32 mm																	disc
ALSUI-134/05	(d)	CRM	Al, pure, Ø 60x25 mm																	disc
VAW-1402-2	(e)	CRM	Al, pure, Ø 60x20 mm																	disc
VAW-2011-1	(f)	CRM	pure Aluminium, Ø 60x20 mm																	disc
ALSUI-611/03	(g)	CRM	Aluminium, Ø 60x25mm																	disc
VAW-1411-1	(h)	CRM	Al, pure, Ø 60x20 mm																	disc
VAW-1410-3	(i)	CRM	Al, pure, Ø 60x20 mm																	disc
			Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	
	(a)		0.002		0.0058	0.0004	0-0,0001	0.00028	0.0021	(0,00007)	0.0011	0.0011	0.002	0.0051	0.007	0.0105	0.0048	0.0004	0.0049	
	(b)				<0.0001			<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
	(c)												0.0000007	0.000007	0.000220	0.00075	0.000005			
	(d)					0.0055	0,0025-0,0038	0.0005		0.0002-0,0005	0.001		0.001	0.0002	0.0038	0.286	0.001			
	(e)		0.0005			0.0006				0.0001	0.0009		0.0005	0.0005	0.012	0.048	0.0078		0.001	
	(f)		0.0003		0.0032	0.004	0.0012	0.0002	0.002	0.0007	0.0011		0.0022	0.0007	0.0062	0.085	0.0044	0.0044		
	(g)				0.0002					0.0017	0.0058		0.001	0.001	0.0012	0.069		0.0108		
	(h)			(99.9)	<0.0002	0.00893	<0.0002	0.00007	0.0118	<0.0002	0.0003	<0.0002	0.00024	0.001	0.00119	0.00078	0.0307	<0.0005	0.0001	
	(i)		0.00121	(99.70)	0.00204	0.00032	0.0006	0.00073	0.004	0.00021	0.00308	0.0039	0.00504	0.00418	0.0118	0.1068	0.0238	0.00152	0.00689	
			La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Se	Si	Sn	Sr	Ti	Tl	
	(a)		0.0033	0.00011	0.005	0.0051	0.0076	0-0,0001	0.0049	0.0019	0.0029	0.0035			0.0111	0.0031	0.00085	0.002		
	(b)			0.00000	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			0.0001	<0.0001	<0.0001	<0.0001		
	(c)				0.00035	0.000007			0.000008		0-0.00004				0.00040	0-0.00001		0.000015		
	(d)			0,00006-0,00012	0.0025	0.0032		0,0020-0,0064	0.0011		0.0011				0.152	0.0013	0,0004-0,0009	0-0,0001		
	(e)			<0.0002	0.002	0.0023		<0.0002	0.0013	<0.0004	0.0007	<0.0005	0.0017		0.064	0.0008	<0.0002	0.017	0.0013	
	(f)			0.0006	0.26	0.015		0.0007	0.0008	0.0009	0.0042	0.0057	0.016		0.24	0.0041	<0.0002	<0.0005		
	(g)			0,00065-0,00087	0.211	0.002		0-0,0001	0.0016	0.0018	0.0009				0.198	0.001		0.0015		
	(h)		<0.0002	0.00012	0.0002	0.00042	<0.0002	0.00029	0.00355	<0.0004	0.00107	0.0059		<0.0002	0.0238	0.0185	<0.0002	<0.0002	<0.0002	
	(i)			0.0016	0.00342	0.00717	<0.0002	0.0042	0.00549	0.00096	0.00497	0.0077			0.0619	0.0048	0.00019	0.00289	0.00228	
			V	W	Zn	Zr														
	(a)		0.0026	0.0015	0.0052	0.0019														
	(b)		<0.0001		<0.0001	<0.0001														
	(c)				0.000070															
	(d)		0-0,0001		0.0012	0.0002														
	(e)		0.0044		0.016	0.0009														
	(f)		<0.0002		0.16	0.0015														
	(g)		0.0004		0.0013	0.001														
	(h)		0.0008		0.00274	0.00017														
	(i)		0.00518		0.0119	0.00278														

VAW-1406-1	(a)	CRM	Pure aluminium, Ø60mm x 20mm																disc
ALCOA-WB1100	(b)	CRM	Al, pure, Ø 64x25 mm																disc
ALCOA-WA1100	(c)	CRM	Al, pure, Ø 64x25 mm																disc
ALCOA-SS1075	(d)	CRM	Al, pure, Ø 64x25 mm																disc
ALCOA-SS1100	(e)	CRM	Al, pure, Ø 64x25 mm																disc
ALCOA-SS1050	(f)	CRM	Al, pure, Ø 64x25 mm																disc
ALCAN-1SWN	(g)	CRM	Al, pure, Ø 57x25 mm																disc
ALPEC-9205	(h)	CRM	Al, pure, Raffination, Ø 55x30 mm																disc
ALCOA-WD1000	(i)	CRM	Al, pure, Ø 64x19 mm																disc
ALPEC-769	(j)	CRM	Al, pure, Ø 55x30 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				0.002			<0.0005			0.0013	0.05	0.38	0.0074			0.024	0.05	
	(b)										<0.0050	0.10x	0.6				0.01x	0.02x	
	(c)										<0.0050	0.20x	0.3				0.05x	0.08x	
	(d)		0.003x	<0.0005	<0.0005	0.0015	<0.0050	<0.0005	0.003x	0.003x	<0.0050	<0.0050	0.12x	0.02x	<0.0005	<0.0005	<0.0050	<0.0050	<0.0005
	(e)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	<0.0050	0.15x	0.5	0.02x	<0.0005	<0.0005	0.03x	0.04x	<0.0005
	(f)		0.001x	0.008x	<0.0005	0.0005	0.001x	<0.0005	0.001x	0.001x	<0.0050	0.04x	0.3	0.02x	<0.0005	<0.0005	<0.0050	<0.0050	<0.0005
	(g)						0.04			0.0050	0.0400	0.0440	0.80	0.003			0.04	0.21	
	(h)				0.00007						0.00502	0.0312	0.0298				0.0048	0.00495	
	(i)						0.004x				0.004x	0.004x	0.004x	0.004x			0.004x	0.004x	
	(j)								0.0004	0.0034	0.0056	0.0004	0.2009	0-0.0004			0.0093	0.0204	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.0054		0.0021	<0.0003		0.35	<0.0006		0.0007	0.019	0.11	0.0008					
	(b)		<0.0050					0.22x			0.01x		0.04x						
	(c)		<0.0050					0.12x			0.04x		0.02x						
	(d)		<0.0050	<0.0005	<0.003x	0.003x	<0.0005	0.07x	<0.001x	0.003x	<0.0050	0.03x	<0.0050	0.003x					
	(e)		<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.18x	<0.0010	<0.0010	0.02x	0.01x	0.08x	<0.0030					
	(f)		<0.0050	<0.0005	<0.003x	0.001x	<0.0005	0.12x	<0.001x	0.001x	<0.0050	0.01x	<0.0050	0.001x					
	(g)		0.04		0.038	<0.0001		0.15	0.045		0.0280	0.0140	0.0420						
	(h)							0.0285			0.00813	0.00222	0.00993						
	(i)		0.004x		0.004x			0.004x	0.004x		0.004x	0.004x	0.004x						
	(j)		0.0051		0.0040	0.0095		0.0999	0.0040		0.0105	0.0139	0.0002	0.0040					

Pure Aluminium

ALCAN-1188-AD	(a)	CRM	Al pure AA1188																disc
ALSUI-121/06	(b)	CRM	Al, pure, Ø 60x25 mm																disc
ALSUI-131/03	(c)	CRM	Al, pure, Ø 60x25 mm																disc
ALPEC-768	(d)	CRM	Pure aluminium, Ø55mm x 31mm																disc
SEI-NK1S-NDC6	(e)	CRM	Pure Aluminium: type 1S, Ø 55x25 mm																disc
ALPEC-579	(f)	CRM	Al, pure, Raffination, Ø 55x30 mm																disc
SEI-NK1S-NDC3	(g)	CRM	Pure Aluminium: type 1S, Ø 55x25 mm																disc
ALSUI-135/02	(h)	CRM	Al, pure, Ø 60x25 mm																disc
ALCAN-X1100AH	(i)	CRM	Al, pure, Ø 57x25 mm																disc
			Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	La
	(a)		0.0030	0.0028		0.0009i	0.0009i	0.0058	0.0010i	0.0011		0.0011	0.0070	0.0052i	0.053	0.020	0.0021	0.0028	
	(b)		0.01	0.0025	(0,0001)	0.0014	0.0019	0.0049	(0,0012)	0.0018	0.0048	0.0093	0.0088	0.0099	0.0251	0.0096	0.0003	0.0097	0.0076
	(c)				(0,0003)		0.00024	0.0012	0,0032-0,0037	0.0009			0.0096	0.021	0.123	0.0054			
	(d)									0.0004		0.0041	0.0056	0.0006	0.1935	0-0.0004			
	(e)				0.0007	0.009			0.0037				0.01	0.01	0.013	0.0098			
	(f)										0.0106	0.0103	0.0190	0.0305	0.0112				
	(g)											0.0110	0.0099	0.0430	0.0091				
	(h)							0.002			0.001	0.015	0.02	0.29	0.013			0.002	
	(i)					0.0010	0.016	0.0021i	0.0010				0.016	0.088	0.42	0.022			
			Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ta	Ti	Tl	V
	(a)		0.0009i	0.0051i	0.0066	0.0144	0.0013i	0.0073	0.0031	0.0071	0.0028		0.052	0.0065	0.0013i		0.0072	0.0026	0.020
	(b)		0-0,00002	0.0092	0.0098	0.0098	0,0007-0,0010	0.0097	0.0007	0.0048	0.0032	0.001	0.0201	0.0049	0-0,0001	0.0007	0.01		0.0103
	(c)		0,00007-0,00011	0.0211	0.0123		0,0004-0,0008	0.0025	0.001	0.0058	0.0003		0.112	0.0024			0.0045		0.0068
	(d)			0.0093	0.0203			0.0051		0.0040	0.0093		0.0994	0.0040			0.0104		0.0138
	(e)			0.01	0.01		(0.002)	0.0099					0.012				0.011		0.011
	(f)			0.01380	0.0127			0.01100		0.0103			0.0285	0.0107			0.0128		
	(g)			0.0082	0.0098			0.0100		0.0096			0.0390	0.0096			0.0099		0.0100
	(h)			0.02	0.02			0.016		0.0023			0.052	0.0052			0.023		0.0062
	(i)		0.0014i	0.015	0.037		0.0021i	0.031	0.0038	0.013	0.0039		0.43	0.015	0.0024i		0.028		0.0215
			W	Zn	Zr														
	(a)			0.0070	0.0026														
	(b)		0.0037	0.009	0.0096														
	(c)			0.0118	0.001														
	(d)			0.0003	0.0061														
	(e)			0.01	0.0099														
	(f)			0.0277															
	(g)			0.0100															
	(h)			0.008	0.005														
	(i)			0.026	0.0032														

ALCAN-1050AJ	(a)	CRM	Rio Tinto Alcan CRM for Alloy AA1050, 57mm x 25mm, ~170g																	disc
ALCOA-WE1000	(b)	CRM	Al, pure, Ø 64x25 mm																	disc
ALSUI-133/02	(c)	CRM	Al, pure, Ø 60x25 mm																	disc
ALSUI-122/06	(d)	CRM	Al, Ø 60x25 mm																	disc
VAW-1413-1	(e)	CRM	Al, pure, Ø 60x20 mm																	disc
ALCOA-ST1-1050	(f)	CRM	ASM-ST1-1050																	disc
SEI-NK1S-NDC4	(g)	CRM	Pure Aluminium: type 1S, Ø 55x25 mm																	disc
ALSUI-123/04	(h)	CRM	Al, pure, Ø 60x25 mm																	disc
			Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	La	
	(a)						0.0010i	0.0081	0.0016i	0.0011			0.0172	0.040	0.297	0.019				
	(b)							0.01x					0.01x	0.01x	0.01x	0.01x				
	(c)				0.00005		0.0002	0.0001	0.0001	0.001		0-0,0001	0.02	0.0105	0.2	0.031				
	(d)	0.0199	0.005	(0,0001)	0,0028-0,0042	0.00037	0.0088	0.0003	0.0051	0.0097	0.016	0.0197	0.0205	0.0586	0.0256	0.0079	0.0147	0.0152		
	(e)			0.0012		0.0013	0.0058	0.0013	0.0016		0.0013	0.022	0.038	0.35	0.02					
	(f)		0.0005	<0.0010		0.0002	0.03x	0.002x	0.0005		0.0005	0.02x	0.03x	0.33	0.025	0.0002				
	(g)					0.0016	0.0097	0.0007				0.032	0.035	0.107	0.029					
	(h)	0.0048				0.0008	0.0206		0.0096		0.0159	0.0321	0.0321	0.107	0.0207					
			Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ta	Ti	Tl	V	
	(a)	0.0022i	0.0264i	0.0374		0.0013i	0.0227	0.0014	0.0080	0.002			0.174	0.0148	0.0018i		0.0287		0.0168	
	(b)		0.01x	0.01x			0.01x		0.01x				0.01x	0.01x			0.01x		0.01x	
	(c)	0.00003	0.0058	0.0115		0.0007	0.021	0.0001	0.0015	0.001			0.05	0.0012	0-0,0001		0.013		0.023	
	(d)	0,00015-0,00045	0,0167-0,0176	0.0197	0.0091	0,0007-0,0019	0.0201	0.0045	0.0078	0.0076	0.0024	0.0497	0.0095	0,00012-0,00022	0.0014	0.0195	0.0135	0.0171		
	(e)	0.0013	0.031	0.017		0.0017	0.021	0.0023	0.0073	0.003			0.14	0.005	0.0006		0.028		0.02	
	(f)	0.001x	0.03x	0.04x		0.0015	0.01x	0.0005	0.02x	0.003x			0.015	0.02x	0.0012		0.03x		0.025	
	(g)		0.025	0.032			0.031		0.02	0.009			0.11	0.02			0.026		0.029	
	(h)		0.0267	0.0301		0,0002-0,0005	0.0309		0.0109				0.073	0.0158			0.0312		0.0311	
			W	Zn	Zr															
	(a)			0.0399	0.0019															
	(b)			0.01x																
	(c)			0.021	0.0048															
	(d)	0.0078		0.0193	0.0148															
	(e)			0.032	0.0031															
	(f)			0.04x	0.004x															
	(g)			0.055	0.01															
	(h)			0.0301	0.0311															

Pure Aluminium

ALCOA-WB1000	(a)	CRM	Al, pure, Ø 64x19 mm																disc	
MBH-51X G00H4 B	(b)	CRM	Residuals in Al, Ø 50x20 mm																disc	
ALCOA-WC1000	(c)	CRM	Al, pure, Ø 64x25 mm																disc	
			As	Bi	Cd	Co	Cr	Cu	Fe	Ga	Hg	Mg	Mn	Ni	Pb	Si	Sn	Ti	V	
	(a)			0.03x			0.03x	0.03x	0.10x			0.03x	0.03x	0.03x	0.03x	0.10x	0.03x	0.03x	0.02x	
	(b)	0.0014	0.0202	0.0208	0.03	0.04	0.051	0.072	0.022	0.012	0.024	0.0309	0.036	0.021	0.028	0.031	0.029	0.0108		
	(c)		0.08x			0.08x	0.08x	0.10x			0.08x	0.08x	0.08x	0.08x	0.10x	0.08x	0.08x	0.08x	0.04x	
			Zn	Zr																
	(a)	0.03x																		
	(b)	0.151	0.0261																	
	(c)	0.08x																		

Pure Aluminium as Sets - individuals available

NCS HS49710D-1	(a)	CRM	Pure aluminium, Ø62mm x 30mm	disc
NCS HS49710D-2	(b)	CRM	Pure aluminium, Ø62mm x 30mm	disc
NCS HS49710D-3	(c)	CRM	Pure aluminium, Ø62mm x 30mm	disc
NCS HS49710D-4	(d)	CRM	Pure aluminium, Ø62mm x 30mm	disc
NCS HS49710D-5	(e)	CRM	Pure aluminium, Ø62mm x 30mm	disc
NCS HS49710D-6	(f)	CRM	Pure aluminium, Ø62mm x 30mm	disc
NCS HS49715-1	(g)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc
NCS HS49715-2	(h)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc
NCS HS49715-3	(i)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc
NCS HS49715-4	(j)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc
NCS HS49715-5	(k)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc
NCS HS49715-6	(l)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc
NCS HS49715-7	(m)	CRM	Aluminium Concentrate, Ø40mm x 35mm	disc

	Cr	Cu	Fe	Ga	Mg	Mn	Ni	Si	Ti	V	Zn	Zr
(a)		0.01	0.137	0.012	0.0074	0.01	0.0051	0.168	0.011		0.017	
(b)		0.0052	0.058	0.0034	0.0027	0.003	0.0036	0.052	0.001		0.0044	
(c)		0.093	1.2	0.02	0.068	0.054	0.033	1.18	0.037		0.083	
(d)		0.035	0.334	0.029	0.025	0.025	0.052	0.363	0.018		0.045	
(e)		0.051	0.709	0.04	0.043	0.091	0.089	0.577	0.086		0.136	
(f)		0.028	0.92	0.05	0.143	0.205	0.114	0.913	0.064		0.188	
(g)	0.00054	0.00034	0.00051	(0.0001)	0.00027	(0.00007)	0.00022	0.00079	0.00014	(0.0004)	(0.00015)	0.0002
(h)	0.00097	0.00017	0.0016	0.0032	0.00039	0.0019	0.0026	0.0015	0.00084	(0.00077)	0.0025	0.0025
(i)	0.004	0.0061	0.012	0.0082	0.0079	0.0066	0.0063	0.01	0.003	(0.00093)	0.0073	0.0053
(j)	0.0069	0.012	0.033	0.011	0.0092	0.01	0.011	0.031	0.012	(0.0014)	0.011	0.014
(k)	0.0018	0.0033	0.0091	0.0012	0.0052	0.0041	0.0059	0.0073	0.0021	(0.00052)	0.0047	0.0057
(l)	0.015	0.014	0.063	0.015	0.014	0.012	0.042	0.044	0.017	(0.0012)	0.016	0.019
(m)		0.002	0.397		0.0022	0.003		0.111	0.012	0.0099		

Pure Aluminium

Pure Al only as Set

NCS HS53703-1	(a)	CRM	Pure Aluminium (only available as set of 5)	disc
NCS HS53703-2	(b)	CRM	Pure Aluminium (only available as set of 5)	disc
NCS HS53703-3	(c)	CRM	Pure Aluminium (only available as set of 5)	disc
NCS HS53703-4	(d)	CRM	Pure Aluminium (only available as set of 5)	disc
NCS HS53703-5	(e)	CRM	Pure Aluminium (only available as set of 5)	disc
NCS HS91701-1	(f)	CRM	Pure Aluminium (only available as set of 6)	disc
NCS HS91701-2	(g)	CRM	Pure Aluminium (only available as set of 6)	disc
NCS HS91701-3	(h)	CRM	Pure Aluminium (only available as set of 6)	disc
NCS HS91701-4	(i)	CRM	Pure Aluminium (only available as set of 6)	disc
NCS HS91701-5	(j)	CRM	Pure Aluminium (only available as set of 6)	disc
NCS HS91701-6	(k)	CRM	Pure Aluminium (only available as set of 6)	disc

	B	Cr	Cu	Fe	Ga	Mg	Mn	Ni	Pb	RE	Si	Sn	Ti	V	Zn
(a)			0.015	0.071		0.0044	0.0077	0.0092			0.067		0.012		0.0088
(b)			0.0093	0.166		0.017	0.029	0.019			0.133		0.026		0.013
(c)			0.291	0.59		0.022	0.014	0.032			0.58		0.041		0.122
(d)			0.033	0.35		0.04	0.055	0.054	0.035	0.029	0.29	0.047	0.062		0.035
(e)			0.079	1.31		0.103	0.112	0.1			1.28		0.093		0.073
(f)	0.0005	0.0005	0.0056	0.055	0.0042	0.0024	0.0019				0.047		0.0018	0.0012	0.0081
(g)	0.0006	0.0015	0.01	0.14	0.03	0.022	0.0084				0.11		0.0063	0.0052	0.031
(h)	0.0022	0.0048	0.03	0.773	0.026	0.0096	0.017				0.634		0.015	0.0028	0.035
(i)	0.0039	0.0099	0.058	0.325	0.012	0.067	0.026				0.203		0.029	0.0047	0.126
(j)	0.0097	0.015	0.097	0.435	0.05	0.038	0.042				0.347		0.048	0.0086	0.074
(k)	0.016	0.025	0.147	0.744	0.076	0.069	0.065				0.537		0.079	0.029	0.106

Low alloyed Aluminium

Code	Product																	Unit
ALPEC-258	(a)	CRM	AlZn, Ø 55x30 mm															disc
VAW-1108	(b)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1109	(c)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1104	(d)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1201	(e)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1205	(f)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1400	(g)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1204	(h)	RM	Al, pure, Ø 60x20 mm															disc
ALSUI-521/02	(i)	CRM	AlSi, AlSiCu, Ø 60x25 mm															disc
ALSUI-311/01	(j)	CRM	AlMn, Ø 60x25 mm															disc
VAW-1306	(k)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1206	(l)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1301	(m)	RM	Al, pure, Ø 60x20 mm															disc
		B	Be	Co	Cr	Cu	Fe	Mg	Mn	Na	Ni	P	Pb	Si	Sn	Ti	V	Zn
	(a)		0-0.0002		0.0052	0.0087	0.0033	0.050	0.0075		0.0006		0.0004	0.0036	0.0003	0.0013		0.80
	(b)					0.0001	0.001	0.26	0.0001					0.0055		0.0002		0.0007
	(c)		<0.0001		<0.001	0.0001	0.0012	0.47	0.0001		<0.0005			0.0062		<0.0002		0.0019
	(d)		<0.0001		<0.001	0.0042	0.0033	0.36	0.0004		<0.0005			0.0073		<0.0002		0.0048
	(e)					0.0018	0.013	0.001	0.0004					0.012		0.0005		0.003
	(f)				<0.0005	0.0013	0.024	0.001	0.0009					0.034		0.0014		0.0069
	(g)				0.0002	0.0023	0.02	0.0004	0.0003				<0.0003	0.036		0.0004	0.0011	0.019
	(h)				<0.0003	0.0018	0.018	0.0009	0.0011					0.039		0.0016	0.0011	0.015
	(i)	(0,0025)		0.0045	0.0054	0.0104	0.056	0.493	0.0289	0,0019-0,0022	0.0049	0.0028		0.053		(0,0033)		0.115
	(j)				0.095	0.044	0.21	0.34	0.42	0,0054-0,0065	0.05		0.042	0.055		0.09	0.059	0.075
	(k)				0.0006	0.0018	0.059	0.092	0.0014					0.06		0.0022		0.024
	(l)				0.0009	0.0013	0.022	0.0018	0.0083					0.072		0.0016	0.0006	0.014
	(m)				0.0008	0.0018	0.024	0.26	0.009					0.075		0.0013		0.014
		Zr																
	(f)	0.001																

Low alloyed Aluminium

ALCAN-1170AK	(a)	CRM	Al, pure, Ø 57x25 mm																	disc
ALCAN-3002AB	(b)	CRM	Al, divers, Ø 57x25 mm																	disc
ALCAN-1170AL	(c)	CRM	Rio Tinto Alcan CRM for Alloy AA1170, 57mm x 25mm, ~170g																	disc
ALCAN-1145AD	(d)	CRM	Al, pure, Ø 57x25 mm																	disc
ALCAN-1145AE	(e)	CRM	Alloy AA1145, 57mm x 25mm, ~170g																	disc
ALCAN-X1120AC	(f)	CRM	Al, pure, Ø 57x25 mm																	disc
ALSUI-132/04	(g)	CRM	Al, pure, Ø 60x25 mm																	disc
ALPEC-67995	(h)	CRM	Al, pure, Ø 55x30 mm																	disc
SEI-NK63SND7	(i)	CRM	AlMg: type 63S, Ø 55x25 mm																	disc
ALSUI-134/11	(j)	CRM	Al, pure, Ø 60x25 mm																	disc
ALSUI-136/02	(k)	CRM	Al, pure, Ø 60x25 mm																	disc
ALCOA-SS3102	(l)	CRM	AlMn, Ø 64x25 mm																	disc
			Ag	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	
	(a)						0.0009	0.0079	0.0016i	0.0012		0.030	0.028	0.18	0.019		0.0016i	0.022i	0.030	
	(b)						0.0011	0.009	0.0027i	0.0013		0.021	0.12	0.086	0.021		0.0018i	0.1500	0.24	
	(c)						0.0009	0.0066	0.0016i	0.0012		0.026	0.026	0.155	0.015		0.0016i	0.022i	0.028	
	(d)						0.0011	0.011	0.0024i	(0.0011)		0.021	0.038	0.38	0.021		0.0022i	0.030	0.032	
	(e)						0.0008	0.0082	0.0014i	0.0011		0.020	0.028	0.40	0.019		0.0019i	0.022i	0.031	
	(f)						0.0010i	0.007	0.0016i	0.0012		0.019	0.45	0.15	0.019		0.0020i	0.015i	0.15	
	(g)				0.0006		0.00026	0-0,00005	0.0006	0-0,00005	0.00006	0.0034	0.0063	0.21	0.0282		0.00037	0.17	0.0057	
	(h)									(0.0002)	0.0215	0.0400	0.3700	0.0103				0.0240	0.0390	
	(i)				0.0022	0.0008	0.0001	0.0004	0.0001		0.0002	0.0045	0.0041	0.298	0.01		0.0002	0.398	0.0055	
	(j)				(0,005)		0.00065	(0,001)	(0,0035-0,0045)	(0,001)	(0,0006)	0-0,0002	(0,003)	(0,25)	(0,0006)		0,0065-0,0075	(0,003)	(0,002)	
	(k)				0.0002		0.0005	0.0001	0.00025	0.0005	0-0,0001	0.032	0.05	0.36	0.02		0.00003	0.04	0.05	
	(l)		<0.0010	<0.0010	<0.0010		<0.0005	<0.0010	<0.0005	<0.0005	<0.0010	0.02x	0.07x	0.45	0.02x	<0.0005	<0.0005	0.02x	0.18x	
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.0020i	0.032	0.0023	0.0083	0.0031		0.086	0.020	0.0018i	0.029	0.020	0.029	0.0030					
	(b)		0.0017i	0.021	0.0041	0.008	0.0038		0.075	0.021	0.0030i	0.020	0.019	0.048	0.0020					
	(c)		0.0020i	0.030	0.0036	0.0065	0.0025		0.089	0.019	0.0018i	0.030	0.0205	0.027	0.0027					
	(d)		0.0024i	0.031	0.0027	0.0076	0.0040		0.098	0.018	0.0028i	0.028	0.022	0.036	0.0026					
	(e)		0.0021i	0.030	0.0025	0.0080	0.0021		0.10	0.020	0.0017i	0.031	0.020	0.030	0.0030					
	(f)		0.0021i	0.022	0.0016	0.0078	0.0020		0.10	0.021	0.0019i	0.019	0.021	0.020	0.0019					
	(g)		0.0015	0.004		0.0012			0.14	0.0011		0.002	0.0087	0.02	0.0022					
	(h)			0.0190		(0.02)	0.0190		0.1700	(0.02)		0.0170		0.0740						
	(i)		0.0003	0.0046		0.0007			0.209	0.0012	0.0008	0.016	0.0052	0.0052	0.044					
	(j)		0,0070-0,0082	(0,001)		(0,0014)			(0,15)	(0,001)		(0,0001)	0-0,0001	(0,002)	0-0,0001					
	(k)		0,00070-0,00110	0.031	0-0,0001	0.0024	0.002		0.24	0.0022	0-0,0001	0.032	0.034	0.041	0.009					
	(l)		<0.0005	0.02x	<0.0010	0.001x	<0.0010	<0.0010	0.25	<0.0010	<0.0010	0.02x	0.01x	0.10x	<0.0030					

SEI-NK2S-NDC2	(a)	CRM	Pure Aluminium: type 2S, Ø 55x25 mm																disc
ALSUI-741/01	(b)	CRM	AlZn, Ø 60x25 mm																disc
ALSUI-612/02	(c)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALCAN-6463AC	(d)	CRM	Al, divers, Ø 57x25 mm																disc
MBH-51X G00H2 E	(e)	CRM	Residuals in Al, Ø 40x15mm or ø50x20mm																disc
VAW-1407	(f)	RM	Al, pure, Ø 60x20 mm																disc
ALSUI-613/07	(g)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALSUI-141/01	(h)	CRM	Al, pure, Ø 60x25 mm																disc
SEI-NK63SND4	(i)	CRM	AlMg: type 63S, Ø 55x25 mm																disc
ALCOA-ST2-6063	(j)	CRM	ASM-ST2-6063																disc
			As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)			0.000		0.004	0.054			0.049	0.054	0.106	0.303	0.058			0.051	0.052	
	(b)										0.023	0.1	0.4				0.035	0.105	
	(c)			(0,0006)		0.0023					0.003	0.0101	0.132				0.316	0.0065	
	(d)					0.0011	0.012	0.0033i	0.0012		0.020	0.14	0.12	0.018		0.0024i	0.49	0.019	0.0026i
	(e)		(0.005)				0.011		0.0031		0.0174	0.111	0.356	0.011			0.093	0.154	
	(f)							0.0002			0.0098	0.06	0.28	0.01			0.027	0.024	0.0003
	(g)		0.0013			0.0008	0.0047	0.0003	0.0043		0.005	0.0103	0.268	0.0143	0.0012	0.0004	0.421	0.0193	0.0002
	(h)			0.015						0.009	0.004	0.02	0.4				0.011	0.022	
	(i)			0.0001	0.0003	<0.0001	<0.0001	<0.0001		<0.0001	0.0001	0.0005	0.197	0.0002		<0.0001	0.495	0.0005	<0.0001
	(j)			<0.0010		0.0002	0.02x	0.002x	0.0005	0.0005	0.015	0.05x	0.22x	0.025		0.001x	0.05x	0.05x	0.0015
			Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.046		0.051	0.060	0.286	0.052		0.048	0.048	0.096	0.046						
	(b)		0.011				0.31			0.027		0.805							
	(c)		0.0009	0.0005	0.0027		0.315			(0,0023)	(0,0048)	0.0031							
	(d)		0.020	0.0048	0.007	0.0038	0.35	0.019	0.0047i	0.017	0.020	0.020	0.0031						
	(e)		0.119		0.114	0.0265	0.35	0.0065		0.128	0.0148	0.113	0.015						
	(f)		0.003		0.001		0.4	0.001		0.022	0.026	0.042	0.002						
	(g)		0.0053	0.0009	0.011	0.0086	0.407	0.0104		0.0145	0.0112	0.01	0.0055						
	(h)		0.006		0.01	0.01	0.41	0.01		0-0,001	0.001	0.014							
	(i)		0.0002		<0.0001		0.423	<0.0001	<0.0001	0.0003	0.0002	0.0004	<0.0001						
	(j)		0.03x	0.0005	0.02x		0.45	0.02x	0.0012	0.03x	0.03x	0.03x	0.004x						

Low alloyed Aluminium

Low alloy Aluminium as Sets - individuals available

NCS HS49728-1	(a)	CRM	Aluminium alloy, Ø62mm x 30mm	disc
NCS HS49728-2	(b)	CRM	Aluminium alloy, Ø62mm x 30mm	disc
NCS HS49728-3	(c)	CRM	Aluminium alloy, Ø62mm x 30mm	disc
NCS HS49728-4	(d)	CRM	Aluminium alloy, Ø62mm x 30mm	disc
NCS HS49728-5	(e)	CRM	Aluminium alloy, Ø62mm x 30mm	disc
NCS HS49728-6	(f)	CRM	Aluminium alloy, Ø62mm x 30mm	disc
NCS HS49728-7	(g)	CRM	Aluminium alloy, Ø62mm x 30mm	disc

	Be	Cd	Cu	Fe	Li	Mg	Mn	Ni	Si	Ti	Zn
(a)	0.000079	0.00084	0.066	0.108	0.000053	0.003	0.017	0.0082	0.044	0.0054	0.012
(b)	0.0003	0.0045	0.042	0.359	0.00016	0.0016	0.02	0.046	0.104	0.018	0.029
(c)	0.00032	0.008	0.008	0.48	0.0002	0.011	0.08	0.07	0.375	0.038	0.087
(d)	0.002	0.0067	0.072	0.665	0.00088	0.036	0.032	0.095	0.594	0.031	0.027
(e)	0.0012	0.0097	0.072	0.828	0.0055	0.029	0.0066	0.11	0.772	0.011	0.05
(f)	0.00078	0.0042	0.1	0.478	0.00042	0.0086	0.033	0.098	0.65	0.028	0.03
(g)	0.0026	0.0223	0.111	0.932	0.0048	0.046	0.096	0.118	1.03	0.075	0.079

Low alloy Aluminium only as Set

NCS HS91702-1	(a)	CRM	Aluminium Alloy (only available as set of 6)	disc
NCS HS91702-2	(b)	CRM	Aluminium Alloy (only available as set of 6)	disc
NCS HS91702-3	(c)	CRM	Aluminium Alloy (only available as set of 6)	disc
NCS HS91702-4	(d)	CRM	Aluminium Alloy (only available as set of 6)	disc
NCS HS91702-5	(e)	CRM	Aluminium Alloy (only available as set of 6)	disc
NCS HS91702-6	(f)	CRM	Aluminium Alloy (only available as set of 6)	disc

	Cr	Cu	Fe	Mg	Mn	Si	Ti	Zn
(a)	0.176	0.306	0.587	0.189	0.414	0.109	0.002	0.004
(b)	0.107	0.202	0.457	0.396	0.314	0.199	0.0065	0.012
(c)	0.054	0.05	0.358	0.589	0.053	0.39	0.085	0.058
(d)	0.031	0.101	0.265	0.871	0.207	0.586	0.034	0.048
(e)	0.011	0.02	0.155	1.23	0.105	0.785	0.053	0.071
(f)	0.0052	0.0092	0.09	1.51	0.021	1.05	0.011	0.02



Raw material certified reference materials

Rio Tinto ALCAN produces non-metallic Certified Reference Materials (CRMs) used to calibrate or drift correct techniques such as XRF, ICP, AAS, XRF, and DSC.

- Well homogenized non-metallic powder materials
- Tested for uniformity of composition using XRF or Electric Sensing Zone
- Certified composition, along with the corresponding standard deviations, are given on the certificate of analysis issued with each standard sample.

Rio Tinto ALCAN standard samples for composition are certified by using at least two independent, absolute methods of analysis, such as XRF, ICP, AAS or colorimetric, titrimetric and gravimetric techniques. The standards are certified against primary (absolute) calibrations and are NIST traceable.

Bauxite	Metallurgical Coke	Electrolytic Bath
Red Mud	Anthracite	Aluminum Fluoride
Alumina	Pitch Elemental Composition	Scrubber Alumina
Green Petroleum Coke	Raw Fluorspar	Cryolite
Calcined Petroleum Coke	Fluorspar Final Concentrate	Pitch

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AlSi-alloys

Code	Product																	Unit
ALSUI-142/03	(a)	CRM	Al, pure, Ø 60x25 mm															disc
VAW-2001	(b)	RM	AlMg, Ø 60x20 mm															disc
ALCAN-8112AA	(c)	CRM	Al, divers, Ø 57x25 mm															disc
VAW-1409-1	(d)	RM	Al, pure, Ø 60x20 mm															disc
ALPEC-6012	(e)	CRM	Al, pure, Ø 55x30 mm															disc
ALCOA-WA6000	(f)	CRM	AlMg, Ø 64x25 mm															disc
VAW-2010-1	(g)	CRM	AlMg, Ø 60x20 mm															disc
ALSUI-632/03	(h)	CRM	AlSi, AlSiCu, Ø 60x25 mm															disc
ALCAN-8018AB	(i)	CRM	Al, divers, Ø 57x25 mm															disc
ALSUI-145/01	(j)	CRM	Al, pure, Ø 60x25 mm															disc
VAW-1408	(k)	RM	Al, pure, Ø 60x20 mm															disc
		Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)			(0.0008)	0.0009		0.0008	0.0009	0.0019	0.05	0.049	0.481			0,00008-0,00010	0.047	0.055	0,0007-0,0011
	(b)									0.0015	0.0055	0.13				0.41	0.024	
	(c)				0.0011	0.011	0.0025i	0.0035		0.024	0.26	0.66	0.028		0.0012i	0.014	0.11	0.0026i
	(d)									0.048	0.09	0.68	0.05			0.05	0.047	
	(e)									0.0110	0.1420	0.7850	0.0226			0.1210	0.1290	
	(f)									0.03x	0.10x	0.3				0.45	0.03x	
	(g)	<0.0001	0.0021	<0.0003	0.0008	<0.0001	0.0042	0.0021	<0.0005	0.055	0.1	0.22	0.02	0.0016	0.0008	0.47	0.098	0.0016
	(h)			(0,0001)	0.0021	0.0051	0.0005			0.0222	0.0327	0.213			0.00025	0.476	0.423	0.0004
	(i)				0.0010	0.0076	0.0016i	0.0016		0.017	0.46	0.77	0.015		0.0015i	0.0075i	0.069	0.0017i
	(j)									0.01	0.15	0.86				0.059	0.05	
	(k)			0.001						0.026	0.035	0.75	0.011			0.048	0.056	
		Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)	0.048		0.0047	0.0061	0.471	0.0047		0.03	0.0077	0.078	0.01						
	(b)					0.52			0.0055		0.0062							
	(c)	0.020	0.0056	0.008	0.0051	0.52	0.018	0.0044i	0.028	0.028	0.035	0.015						
	(d)	0.049		0.045		0.56	0.049		0.033	0.031	0.052	0.0029						
	(e)	0.0097		0-0.0002	0.0022	0.5750	0.0003		0.0485		0.1970							
	(f)	0.03x				0.6			0.03x		0.03x							
	(g)	0.013	0.0007	0.0084	0.0009	0.72	0.0071	0.0011	0.085	0.014	0.079	0.039						
	(h)	0.0082		0.0058		0.735	0.0059		0.0283	0.0048	0.0534							
	(i)	0.015	0.0026	0.0094	0.0036	0.76	0.015	0.0031i	0.043	0.016	0.015	0.0030						
	(j)	0.01		0.003		0.81	0.0023		0.012	0.024	0.033	0.003						
	(k)	0.0022		0.0014		0.82			0.0049	0.023	0.048	0.002						

SEI-NK8000-NDC1	(a)	CRM	AlFe: type 8000, Ø 55x25 mm																disc
VAW-2110-1	(b)	CRM	AlMg, Ø 60x20 mm																disc
ALPEC-2008	(c)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALSUI-633/01	(d)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALCOA-SS6351	(e)	CRM	Al, divers, Ø 64x25 mm																disc
ALCOA-SS6151	(f)	CRM	Al, divers, Ø 64x25 mm																disc
ALCOA-SS6010	(g)	CRM	Al, divers, Ø 64x25 mm																disc
ALSUI-634/02	(h)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
VAW-2206	(i)	RM	AlMgSiPb, Ø 60x20 mm																disc
SEI-NK51S-NDC2	(j)	CRM	AlMg: type 51S, Ø 55x25 mm																disc
ALCAN-6082AA	(k)	CRM	Alcan CRM for Alloy AA6082, 57mm x 25mm																disc
ALCAN-6151-AB	(l)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				(0.0005)	0.0027	0.03	(0.0012)			0.053	0.105	1.93	0.058		(0.00009)	0.045	0.469	(0.0006)
	(b)				0.0011	0.001	0.0048	0.0027	0.0014	0.0014	0.011	0.042	0.24	0.0094		0.0016	0.65	0.58	0.0022
	(c)										0.1868	0.0322	0.722				0.0056	0.0402	
	(d)											0.039	0.34				0.73	0.275	
	(e)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.03x	0.05x	0.3	0.02x	<0.0005	<0.0005	0.65	0.7	<0.0005	
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.22x	0.25	0.45	0.015	<0.0005	<0.0005	0.65	0.06x	<0.0005	
	(g)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.04x	0.32	0.25	0.02x	<0.0005	<0.0005	0.8	0.32	<0.0005	
	(h)					0.0028					0.031	0.085	0.425				0.84	0.759	0.0013-0.0015
	(i)			<0.0005							0.032	0.19	0.21				0.39	0.76	
	(j)										0.02	0.052	0.286				(0.69)	0.549	
	(k)					0.0010	0.0055i	0.0032i	0.0012		0.124	0.076	0.42	0.020		0.0023i	0.67	0.77	0.0021i
	(l)					0.0013	0.0079i	0.0030i	0.0012		0.31	0.14	0.53	0.022		0.0020i	0.65	0.14	0.0016i
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.053	(0.0027)	0.03			0.831	0.028	(0.002)	0.055	0.058	0.047	0.049					
	(b)		0.011	0.0029	0.0049	0.0048		0.98	0.005	0.0019	0.019	0.0085	0.012	0.0019					
	(c)		0.0175		0.0131			0.98	0.0124		0.0199		0.0235						
	(d)							0.98			0.056	0.0095	0.13						
	(e)		0.02x	<0.0010	<0.0030	<0.0010	<0.0010	1.0x	<0.0010	<0.0010	0.02x	0.01x	0.03x	<0.0030					
	(f)		0.04x	<0.0010	<0.0030	<0.0010	<0.0010	1.0x	<0.0010	<0.0010	0.03x	0.01x	0.08x	<0.0030					
	(g)		0.03x	<0.0010	<0.0030	<0.0010	<0.0010	1.0x	<0.0010	<0.0010	0.03x	0.01x	0.12x	<0.0030					
	(h)		0.033	0.0008	0.0021	0.0004		1.05	0.0009		0.071	0.0152	0.032	0.0013					
	(i)			<0.001	1.64			1.05	0.053		0.054		0.12	0.001					
	(j)		0.012					1.06			0.089		0.018						
	(k)		0.030	0.003	0.0075	0.0018		1.06	0.014	0.0029i	0.031	0.025	0.052	0.0026					
	(l)		0.028	0.0024	0.0077	0.0017		1.08	0.014	0.0020i	0.036	0.020	0.015i	0.016					

ALCAN-6351CAL	(a)	CRM	ALC-6351-CAL																discarded
ALCAN-6016AA	(b)	CRM	ALCAN 6016AA																discarded
ALCAN-6070AC	(c)	CRM	AlSi, AlSiCu, 57x25 mm																discarded
ALPEC-813	(d)	CRM	AlSi, AlSiCu, Ø 55x30 mm																discarded
ALCOA-WP6000	(e)	CRM	AlMg, Ø 64x25 mm																discarded
ALCOA-SS6070	(f)	CRM	Al, divers, Ø 64x25 mm																discarded
ALCAN-6070CAB	(g)	CRM	ALC-6070-CAB																discarded
VAW-2103-1	(h)	CRM	AlMg, Ø 60x20 mm																discarded
MBH-55X G900J4 F	(i)	CRM	Al/Si/Cu Alloy, Ø 40x15 mm																discarded
VAW-2101	(j)	RM	AlMg, Ø 60x20 mm																discarded
ALPEC-356	(k)	CRM	AlSi, AlSiCu, Ø 55x30 mm																discarded
		Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	
	(a)			0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.32)	<0.0001	<0.0001		<0.0001	(0.59)	(0.63)	
	(b)				0.0011i	0.0072i	0.0030i	0.0012		0.049	0.17	0.27	0.02			0.0017i	0.44i	0.12	
	(c)				0.0012	0.0063	0.0029	0.0010		0.019	0.33	0.26	0.020			0.0029i	0.75	0.74	
	(d)									0.1249	0.0080	0.3970					0.0002	0.0044	
	(e)									0.03x	0.10x	0.3					0.9	0.03x	
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.06x	0.3	0.25	0.015	<0.0005		<0.0005	0.8	0.7	
	(g)			0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.32)	(0.28)	<0.0001			<0.0001	(0.77)	(0.72)	
	(h)			0.0005	0.0051	0.0006	0.0006	<0.0002	<0.0004	0.11	0.13	0.49	0.011		<0.0002	<0.0002	0.8	0.71	
	(i)					0.285				0.343	0.249	0.306					0.459	0.75	
	(j)				0.0009		0.0009			0.1	0.053	0.36				0.0005	0.82	0.6	
	(k)									0.0580	0.0990	0.340					0.620	0.405	
		Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)	0.0001	<0.0001	<0.0001	<0.0001	<0.0001		(1.13)	<0.0001	0.0001	<0.0001	<0.0001	0.0001	<0.0001					
	(b)	0.0022i	0.20	0.0027	0.0079	0.0027		1.17	0.019	0.0028i	0.026	0.020	0.04000	0.0028					
	(c)	0.0033i	0.019	0.0036	0.008	0.0027		1.25	0.0069	0.0036	0.021	0.016	0.021	0.0030					
	(d)		0.0023		0.0005			1.26	0.0005		0.0055		0.0052						
	(e)		0.03x					1.3x			0.03x		0.03x						
	(f)	<0.0005	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	1.3x	<0.0010	<0.0010	0.05x	0.01x	0.15x	<0.0030					
	(g)	<0.0001	<0.0001	0.0002	0.0002	0.0004		1.35	<0.0001	<0.0001	<0.0001	<0.0001	0.0010	<0.0001					
	(h)	<0.0002	0.0029		0.0042			1.37		<0.0002	0.052	0.0031	0.11	0.0015					
	(i)		0.351		0.088			1.39	0.153		0.171		0.149						
	(j)	0.0008			0.0043			1.44			0.023		0.066						
	(k)		0.0960		0.022	0-0.001		1.95	0.098		0.060		0.052						

ALSUI-621/01	(a)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALPEC-1005	(b)	CRM	AlSi, Ø 57x25 mm																	disc
ALSUI-622/01	(c)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
MBH-54X G25D1 L	(d)	CRM	Al/Si Alloy, Ø 40x15 mm																	disc
ALCAN-4643CAC	(e)	CRM	ALC-4643-CAC																	disc
ALCAN-4643AD	(f)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-X4002CAB	(g)	CRM	ALC-X4002-CAB																	disc
ALPEC-9906	(h)	CRM	AlSi, Ø 57x25 mm																	disc
MBH-54X G25D2 K	(i)	CRM	Al/Si Alloy, Ø 40x15 mm																	disc
ALSUI-623/01	(j)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCAN-4002CAC	(k)	CRM	Rio Tinto Alcan CRM for Alloy AA4002, 57mm x 25mm, ~170g																	disc
ALCAN-X4002AA	(l)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	
	(a)			0.018		0.005			0.0065	0.01	0.08			0.29	0.05		0-0.001			
	(b)						0.0040		0.0609	0.1011	0.351			0.573	0.402		0.0914		0.021	
	(c)					0.007			0.01	0.03	0.16			0.41	0.15					
	(d)			0.0011	0.112				0.14	0.01	0.721		(0.0003)	0.67	0.815		0.262		(0.0033)	
	(e)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001	0.0001	(0.18)	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	
	(f)		0.0040	0.02	0.0054i				0.027	0.036	0.16	0.029	0.0027i	0.10	0.042	0.0047i	0.035	0.004	0.020	
	(g)		<0.0001	(1.00)	<0.0001				0.0001	(0.10)	(0.30)	<0.0001	<0.0001	(0.11)	0.0001	<0.0001	0.0002	0.0001	<0.0001	
	(h)						0.0043		0.0114	0.0132	0.423			0.928	0.034		0.0378		0.0023	
	(i)		0.049	0.22			0.011	0.105	0.15	0.13	0.576			0.59	0.479		0.139		0.073	
	(j)					0.008			0.019	0.047	0.22			0.5	0.23		0-0.001			
	(k)		<0.0001	(0.003)			(1.10)		<0.001	0.003	(0.30)	<0.001	<0.0001	0.003	<0.001	0.0003	<0.001	0.0009	<0.001	
	(l)				1.06i	0.0065i	0.041		0.028	0.13	0.29	0.031	0.0022i	0.13	0.037	0.0016	0.038	0.006	0.034	
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)			2.02			0.056	0.0045	0.024											
	(b)	0.0026		2.14	0.091		0.070		0.051											
	(c)			2.9			0.07	0.0066	0.04											
	(d)			3.37	<0.005		0.099	0.016	0.359	(0.004)										
	(e)	0.0010		(3.78)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001										
	(f)			3.81	0.023	0.0021i	0.053	0.012	0.030	0.0006										
	(g)			(3.90)	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001										
	(h)			3.92	0.0003		0.0259		0.0033											
	(i)			3.93	0.042		0.152	(0.006)	0.169											
	(j)			3.96			0.1	0.0115	0.06											
	(k)			(4.00)	0.0004		0.002	<0.001	<0.001											
	(l)			4.10	0.029	0.008	0.019	0.027	0.045	0.014										

AlSi-alloys

VAW-3106-1	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCAN-4002AD	(b)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCOA-KA443	(c)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALSUI-624/01	(d)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALPEC-1043	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
VAW-3001-3	(f)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCOA-KC443	(g)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCAN-443.2AC	(h)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-443.2CAB	(i)	CRM	AA443.2																	disc
ALCOA-SS443	(j)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALSUI-456/01	(k)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
BAS-IMI25WM1	(l)	CRM	BS 1490: LM 25, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)							0.001			0.0028	0.12	0.32				0.096	0.056	<0.0003	
	(b)					0.018			1.28		0.019	0.15	0.39	0.016			0.14	0.032		
	(c)										0.05x	0.05x	0.65				0.08x	0.15x		
	(d)							0.0104			0.029	0.078	0.25				0.61	0.34		
	(e)											0.0061	0.012				0.840	0.2170		
	(f)			<0.0002	<0.0001	<0.0002	0.0035	<0.0002	<0.0002	0.0015	0.07	0.25	0.25	0.011		<0.0001	0.2	0.22	<0.0001	
	(g)									<0.0050	0.15x	1.1x					0.05x	0.10x		
	(h)				0.0010	0.0085i	0.0024i	0.0010		0.027	0.048	0.35	0.35	0.021		0.0017i	0.0022i	0.046		
	(i)			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	(0.35)		<0.0001		<0.0001	0.0003	<0.0001	<0.0001	
	(j)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	0.08x	0.5	0.5	0.015	<0.0010	<0.0010	0.05x	0.10x	<0.0010	
	(k)									0.053	0.104	0.53					0.25	0.202		
	(l)									<0.005	<0.005	0.59					0.87	0.24		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)			<0.001				4.19		<0.0002	0.033	0.0024	0.064	0.0015						
	(b)		0.0027		0.022			4.38	0.028		0.019	0.007	0.028							
	(c)		0.08x		0.02x			4.5x	0.02x	0.02x	0.04x		0.15x							
	(d)		0-0.001					4.95			0.16	0.016	0.105							
	(e)		0.0193		0.0195	0.010		5.03	0.0480		0.0425		0.0315							
	(f)		0.17	<0.0005	0.057	<0.0004		5.1	0.042	0.041	0.15	0.0093	0.078	0.0014						
	(g)		0.10x		0.20x			5.1x	0.15x	0.02x	0.10x		0.15x							
	(h)		0.028	0.0032	0.0073	0.0033		5.31	0.012	0.0038i	0.155	0.024	0.041	0.0026						
	(i)		<0.0001	0.0001	<0.0001	0.001		(5.46)	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001						
	(j)		0.05x	<0.0010	<0.0030	<0.0010	<0.0010	5.5x	<0.0030	0.02x	0.11x	0.01x	0.10x	<0.0030						
	(k)		0.024	0.0028	0.006	0.0028		5.89	0.0103	0.046	0.115	0.0112	0.154	0.0053						
	(l)		0.19		<0.005			5.92	0.12		0.19		0.2							

MBH-54X G25D6 A	(a)	CRM	AlSi alloy, Ø50x15mm																	disc
ALCOA-KB443	(b)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
VAW-3002-3	(c)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
MBH-54X G25D3 S	(d)	CRM	Al/Si alloy, Ø50x17mm																	disc
ALSUI-453/01	(e)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCOA-KA356	(f)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
VAW-3104-2	(g)	CRM	Al, Ø 60x20 mm																	disc
VAW-3107-1	(h)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALPEC-1014	(i)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-1015	(j)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
SEI-NKAC4C-NDC12	(k)	CRM	AlSi: type AC4C, Ø 55x25 mm																	disc
ALSUI-424/03	(l)	CRM	AlSi, Ø 60x25 mm																	disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni	P	
	(a)			0.022					0.0009	0.0021	0.08	0.0027			0.715	0.0096		0.0044		
	(b)								<0.0050	0.15x	0.3				0.03x	0.05x		0.03x		
	(c)	<0.0002	<0.0001	<0.0002	0.0035	<0.0002	<0.0002	0.0045	0.26	0.31	0.011			<0.0001	0.21	0.28	<0.0002	0.079	<0.0005	
	(d)		0.002				0.008	0.041	0.12	0.37					0.38	0.25		0.035		
	(e)				0.007			0.0123	0.022	0.179					0.345	0.0522		0.0118		
	(f)							<0.0050	0.20x	0.5	0.02x				0.22x	0.03x		<0.0050	0.003x	
	(g)	0.0004	<0.0002	0.0019	0.0008	<0.0002	0.0009	0.0008	0.47	0.11	0.015				0.44	0.029		0.0054	0.0009	
	(h)				0.0018			0.024	0.026	0.35					0.28	0.083	<0.0002		<0.001	
	(i)								0.0062	0.196					0.593	0.3011		0.0027		
	(j)								0.0062	0.200					0.598	0.2988		0.0017		
	(k)		0.0009	0.0018	0.0043	0.0019	0.002	0.0096	0.08	0.178	0.01				0.368	0.183	0.0005	0.052	0.0055	
	(l)				0.0012	0.0043	0.0098	0.0023	0.0027	0.142			0.0019		0.334	0.0056	0.0018	0.0029	0.0013	
			Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)	(0.003)			5.97	(0.002)		0.0071	0.0133	0.005										
	(b)	0.05x			6.0x	0.05x	0.02x	0.15x		0.05x										
	(c)	0.071	<0.0002		6.08	0.041	0.068	0.057	0.0034	0.15	0.0011									
	(d)	0.045			6.25	0.045		0.07	0.005	0.105										
	(e)	0.0039	0.0023		6.48	0.0029	(0,072)	0.068	0.011	0.0184	0.0099									
	(f)		0.001x		6.5x		0.05x	0.05x	0.01x	0.18x										
	(g)	0.018	0.08		6.79	0.017	0.003	0.0036	0.0095	0.05	0.0019									
	(h)		<0.0002		6.85		<0.0003	0.085	0.0026	0.15	0.0014									
	(i)	0.0045	0.255		6.86	0.0206		0.1015		0.1504										
	(j)	0.0043	0.230		6.86	0.0206		0.1015		0.1516										
	(k)	0.0032	0.088		6.91	0.0048		0.032	0.0039	0.051	0.011									
	(l)	(0,0002)	0.068		6.92			0.102	0.0002	0.01	0.0021									

AlSi-alloys

ALSUI-452/01	(a)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCOA-KC356	(b)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCOA-SSA444	(c)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCOA-SSA357	(d)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCOA-SS356	(e)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCAN-356.2CAR	(f)	CRM	ALC-356.2-CAR																	disc
ALCAN-356.2-AV	(g)	CRM	AlSi, AlSiCu, Ø 57x25mm																	disc
ALCAN-356.2-AW	(h)	CRM	AlSi, AlSiCu, Ø 57x25mm																	disc
NIST-1255b	(i)	CRM	Aluminum Alloy 356																	disc
BAS-IMI25WM4	(j)	CRM	BS 1490: LM 25, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
ALCAN-356.2DAO	(k)	CRM	Rio Tinto Alcan for Alloy AA356.2, 57mm x 25mm, ~170g																	disc
ALCAN-135AQ	(l)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
			Ag	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Ge	Hg	Li	Mg	
	(a)						0.0002		0.0017			0.0016	0.005	0.133	0.0082				0.67	
	(b)											<0.0050	0.04x	0.08x	0.02x				0.35	
	(c)		<0.0010	<0.0010	<0.0010		<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	0.12x	0.15x	0.02x		<0.0010	<0.0010	<0.0050	
	(d)		<0.0010	<0.0010	<0.0010		0.06x	<0.0010	<0.0030	<0.0010	<0.0010	0.02x	0.05x	0.10x	0.02x		<0.0010	<0.0010	0.6	
	(e)		<0.0010	<0.0010	<0.0010		<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	0.12x	0.35	0.02x		<0.0010	<0.0010	0.35	
	(f)				<0.0001		<0.0001	<0.0001	0.0001	<0.0001	0.00	<0.0001	0.0001	(0.17)	<0.0001			<0.0001	(0.41)	
	(g)						0.0011i	0.0076	0.0037i	0.0011i		0.027	0.080	0.201	0.019			0.0020i	0.39	
	(h)						0.0010	0.0086	0.0037i	0.0011		0.027	0.081	0.21	0.020			0.0024i	0.39	
	(i)											(0.015)	0.1161	0.117	0.0175				0.3822	
	(j)											0.02	0.16	0.025					0.31	
	(k)		(0.113)			(0.0000)		(0.0000)	(0.0042)	(0.0008)	(0.0000)	(0.0031)	(0.068)	(0.164)	(0.0002)	(0.0142)			(0.422)	
	(l)							0.042				0.040	0.053	0.18	0.009				0.037	
			Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr			
	(a)		0.0108		0.0009	0.0024	0.0015	0.001			6.98	0.0014	0.0002	0.099	0.0055	0.0052	0.0011			
	(b)		0.02x			0.01x					7.0x		0.02x	0.12x	0.01x	0.03x				
	(c)		0.05x		<0.0010	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	7.1x	<0.0030	0.02x	0.12x	0.01x	<0.0050	<0.0030			
	(d)		0.02x		<0.0010	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	7.1x	<0.0030	0.02x	0.12x	0.01x	0.03x	<0.0030			
	(e)		0.05x		<0.0010	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	7.1x	<0.0030	0.02x	0.12x	0.01x	0.10x	<0.0030			
	(f)		<0.0001		<0.0001	<0.0001	0.0001	<0.0001	<0.0001		(7.14)	<0.0001	<0.0001	(0.11)	<0.0001	<0.0001	<0.0001			
	(g)		0.037		0.0026i	0.031	0.0019	0.008	0.0029		7.26	0.014	0.0151i	0.18	0.020	0.081	0.0021			
	(h)		0.033		0.0028i	0.031	0.002	0.0082	0.0029		7.27	0.015	0.031i	0.18	0.020	0.082	0.0021			
	(i)		0.0527			0.0179		0.0182			7.298	0.1334	0.014	0.1535	0.0324	0.0842				
	(j)		<0.005			0.14		0.1			7.35	0.06		0.16		0.045				
	(k)		(0.0035)	(0.0000)		(0.0011)	(0.0000)	(0.0014)	(0.0010)		(7.358)	(0.0004)	(0.0004)	(0.011)	(0.0122)	(0.0045)	(0.0014)			
	(l)		0.035			0.038		0.047			7.40	0.040		0.015	0.012	0.044				

MBH-54X G25D4 N	(a)	CRM	Al/Si Alloy, Ø 40x15 mm																disc
ALCOA-KB356	(b)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALCAN-4343AE	(c)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
VAW-3109-1	(d)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCAN-4343CAG	(e)	CRM	ALC-4343-CAG																disc
ALCAN-4343AF	(f)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
VAW-3003-3	(g)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALPEC-6009	(h)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALCOA-KA358	(i)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALPEC-1045	(j)	CRM	AlSi, AlSiCu (P 351), Ø 55x30 mm																disc
ALSUI-455/01	(k)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
MBH-54X G25D5 L	(l)	CRM	Al/Si Alloy, Ø 40x15 mm																disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)			0.0191	0.092		0.0176	0.049	0.021	0.161	(0.115)			0.074	0.091		0.095		0.16
	(b)								<0.0050	0.05x	0.15x	0.02x		0.45	0.12x		<0.0050		0.06x
	(c)			0.0035i	0.020	0.0033i			0.020	0.056	0.48	0.029	0.0029i	0.025	0.049	0.0072i	0.032	0.003	0.019
	(d)	<0.0005		0.0012	<0.001	0.0023		<0.001	0.053	0.014	0.28	0.01		0.34	0.15	<0.0002	0.0022	0.0016	0.001
	(e)	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.50)	<0.0001	<0.0001	0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	(f)			0.0013	0.037	0.0028i	0.0010		0.032	0.050	0.50	0.023	0.0022i	0.031	0.052	0.0027i	0.029	0.0042i	0.021
	(g)					0.0025			0.0022	0.14	0.35	0.011		0.25	0.24		0.05	0.0006	0.036
	(h)								0.0117	0.0350	0.592			0.4340	0.152		0.0490		0.0064
	(i)			0.22					0.02x	0.08x	0.20x	0.02x		0.65	0.05x		0.02x		
	(j)									0.0610	0.287			0.112	0.0057		0.0500		0.1000
	(k)					0.0044			0.0326	0.053	0.33			0.54	0.103	0.0031	0.055	0.0022	0.0104
	(l)			0.022				0.0024	0.0097	0.273	0.191			(0.0011)	(0.0046)		0.0082		0.273
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)			7.41	0.091		(0.131)	(0.0021)	0.107										
	(b)			7.5x	0.06x	0.02x	0.16x	0.01x	0.04x										
	(c)			7.56	0.023	0.014i	0.050	0.009	0.490	0.0150									
	(d)	<0.0005		7.76	<0.001	0.099	0.027	0.0037	0.011	0.0023									
	(e)	(0.002)		(7.83)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001									
	(f)	0.0042		7.84	0.018	0.011i	0.031	0.026	0.050	0.0029									
	(g)			7.89	0.021	0.037	0.034	0.0036	0.11	0.0011									
	(h)	0.0460		7.95	0.0293		0.0845		0.0330										
	(i)			8.0x		0.02x	0.12x	0.01x	0.06x										
	(j)	0.451		8.02			0.2550		0.0870										
	(k)			8.06	0.0052		0.0419	0.021	0.053	0.01									
	(l)			8.14	0.13		0.0068	(0.0025)	0.02										

AlSi-alloys

BAS-IMI2WM3	(a)	CRM	BS 1490: LM 2, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
BAS-IMI25WM5	(b)	CRM	BS 1490: LM 25, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
ALPEC-9615	(c)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALSUI-421/01	(d)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCOA-SS364	(e)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALSUI-427/01	(f)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCOA-KB360	(g)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALSUI-465/01	(h)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALSUI-422/03	(i)	CRM	AlSi, Ø 60x25 mm																	disc
ALSUI-411/04	(j)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCOA-KC360	(k)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCOA-SS360	(l)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)										0.09	0.41	1.19				0.19	0.35		
	(b)										0.1	0.075	0.42				0.19	0.15		
	(c)					0.00026					0.0996	0.0934	0.999				0.0142	0.539		
	(d)							0.009		0.57	0.033	0.032	0.1				0.41	0.145	0.002	
	(e)	<0.0010	<0.0010	<0.0010	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	0.4	0.15x	0.9	0.9	0.02x	<0.0010	<0.0010	0.35	0.06x	<0.0010	
	(f)									(0,001)	0.004	0.32					0.013	0.146		
	(g)									<0.0050	0.10x	1.0x					0.65	0.25		
	(h)					0.00095		0.0065			0.027	0.095	0.566	0.0078			0.332	0.404	0.0013	
	(i)				0-0,0002			0.0088		0.401	0.019	0.02	0.19	0.01			0.346	0.107	0.0036-0,0040	
	(j)							0.00044-0,00064			0.0106	0.0102	0.134				0.0105	0.0243	0.0041-0,0052	
	(k)										<0.0050	0.3	1.1x				0.58	0.15x		
	(l)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	0.25	0.6	0.6	0.02x	<0.0010	<0.0010	0.55	0.15x	<0.0010	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.21		0.1			8.33	0.1		0.11		0.7							
	(b)		<0.005		0.07			8.36	<0.005		<0.005		0.015							
	(c)		0.0938		0.0024	0-0.0001		8.39	0.0181	0.0105	0.0872		0.1336							
	(d)		0.03					8.6			0.07		0.114							
	(e)	0.05x	<0.0010	0.02x	<0.0010	<0.0010		8.8x	0.05x	0.02x	<0.0050	0.01x	0.05x	<0.0030						
	(f)	0.002				0.37		8.93			0.0132	0.0044	0.014							
	(g)	0.10x		0.10x				9.0x	0.10x	0.02x	0.10x		0.10x							
	(h)	0.051	(0,004)	0.05				9.18	0.05		0.172	0.01	0.104	0.0097						
	(i)	0.022	0.0015	0.0047	0.0047			9.41	0.003		0.049	0.0083	0.052	0.0098						
	(j)	0.0129	(0,0009)	0.005				9.6	0.0051		0.0154	0.0056	0.0156	0.0051						
	(k)	0.20x						9.6x	0.12x	0.02x	0.02x		0.25							
	(l)	0.17x	<0.0010	0.05x	<0.0010	<0.0010		9.6x	0.07x	0.02x	0.06x	0.01x	0.17x	<0.0030						

ALPEC-9331	(a)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
SEI-NKAC4A-NDC4	(b)	CRM	AlSi: type AC4A, Ø 55x25 mm																disc
ALCAN-X4045CAB	(c)	CRM	ALC-X4045-CAB																disc
VAW-3110-1	(d)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
MBH-54X G06H3 P	(e)	CRM	Al/Si Alloy, Ø 50x15 mm																disc
ALCOA-KA360	(f)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALSUI-412/07	(g)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
VAW-3103-2	(h)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCOA-KA413	(i)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALSUI-417/03	(j)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALSUI-413/04	(k)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
VAW-3167-1	(l)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)								0.0007	0.0021	0.129			0.6082	0.925		0.0013		0.0194
	(b)				0.011	(0.006)			0.05	0.198	0.568			0.512	0.523		0.06	(0.004)	0.051
	(c)			<0.0001	<0.001	(0.003)			<0.001	(0.002)	(0.33)	<0.001	<0.0001	<0.001	(0.003)	<0.0001	(0.001)	0.0008	<0.001
	(d)		<0.0003	0.0037	<0.0005	0.0039	<0.0002	<0.0004	0.021	0.002	0.18	0.01	<0.0002	0.15	0.053	<0.0002	0.0024	0.0015	0.0009
	(e)				0.0067		0.0048	0.0208	0.053	0.322	0.51		(0.0008)	0.202	0.345		0.214		0.0203
	(f)								<0.0050	0.4	0.35			0.45	0.10x		0.25		0.20x
	(g)		(0.0002)	0.0004		0.0097			0.029	0.03	0.355			0.26	0.15	0.0043-0.0053	0.019	0.0023	0.0095
	(h)					0.003			0.002	0.098	0.38	0.008		0.22	0.16		0.0043	0.0005	0.0009
	(i)								<0.0050	0.08x	0.75			0.02x	0.15x		0.03x		0.04x
	(j)					0.0005	0.0037		0.0015	0.0055	0.134	0.0098		0.22	0.0169	0.0011-0.0014	0.0029		0.003
	(k)					0.0008-0.0012			0.0048	0.024	0.178	0.0037		0.098	0.025	0.00080-0.00100	0.0039	0.0015	0.003
	(l)		<0.0002		<0.0002	0.001	<0.0002	<0.0003	0.0005	0.008	0.26	0.0066		0.068	0.076		0.0027	0.0006	0.001
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		0.0942	9.68	0.0186		0.0122		0.0048										
	(b)		(0.0086)	9.74	0.05		0.111	0.018	0.102										
	(c)			(9.75)	<0.001	<0.0001	(0.003)	<0.001	(1.0)	<0.0001									
	(d)		0.091	9.84	<0.0004	0.0003	0.053	0.0057	0.021	0.0014									
	(e)			9.94	0.0488		0.079	0.0278	0.027										
	(f)			10	0.03x	0.02x	0.02x		0.25										
	(g)			10.03		0.0252	0.097		0.066										
	(h)			10.4	<0.001	0.068	0.016	0.0044	0.22	0.0022									
	(i)			11	0.04x	0.02x	0.03x		0.03x										
	(j)			11.02	0.0002	0.0390-0.0490	0.0477		0.0196										
	(k)		0.0058	11.05	0.002	0.058-0.064	0.046	0.0063	0.0095	0.005									
	(l)		<0.0003	11.05	<0.0001	0.0059	0.032	0.0004	0.01	0.0014									

AlSi-alloys

VAW-3166-2	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3108-2	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALSUI-423/03	(c)	CRM	AlSi, Ø 60x25 mm																	disc
ALPEC-9620	(d)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-9626	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-9621	(f)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALCAN-4147AA	(g)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
VAW-3004-3	(h)	RM	AlSi, AlSiCu, Ø 60x20 mm																	disc
MBH-55X G02D6 K	(i)	CRM	Al/Si/Cu Alloy, Ø 50x15 mm																	disc
ALCAN-160DP	(j)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-A413.2CAE	(k)	CRM	Rio Tinto Alcan CRM for Alloy AA413.2, 57mm x 25mm, ~170g																	disc
ALCOA-KC413	(l)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
			Ag	Al	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Ge	Hg	Li	Mg	
	(a)				<0.0002		<0.0001	<0.0002	0.0034	<0.0002	<0.0002	0.0008	0.036	0.061	0.011			<0.0001	0.14	
	(b)			(87.4)	<0.0003		0.00039	0.0037	0.00364	0.00171	0.00098	0.0169	0.0609	0.648	0.00946		0.00244	0.00041	0.23	
	(c)								0.0009	0.0035	0.22	0.01	0.0094	0.21	0.0037		0.0011	0.0002	0.246	
	(d)						0.00095					0.0390	0.0256	0.470					0.0500	
	(e)						0.00096					0.0382	0.0249	0.471					0.0507	
	(f)						0.00096					0.0377	0.0260	0.464					0.0521	
	(g)						0.0011	0.0071	0.0036i	0.0011		0.071	0.071	0.320	0.021			0.0031i	0.17	
	(h)								0.0095			0.011	0.095	0.37					0.57	
	(i)						0.0026			0.0115	0.0195	0.366	0.51	0.528					0.376	
	(j)							0.018				0.027	0.053	0.30	0.014				0.024	
	(k)	<0.0001				0.001		<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	(0.34)	<0.0001	<0.0001			<0.0001	
	(l)											<0.0050	0.20x	1.2x					0.05x	
			Mn	Mo	Na	Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)		0.027		<0.0001	0.0034	0.0011	0.0012	0.0008	11.08	0.0012	0.045	0.097	0.0088	0.034	0.002				
	(b)		0.208	0.076	0.00039	0.00205	0.0014	0.00207	<0.001	11.15	0.00228	0.0626	0.0442	0.0073	0.0858	0.00456				
	(c)		0.062		0.0007	0.011	0.0011	0.0013	0.0097	11.2	0.006	0.0005	0.028	0.0117	0.021	0.0067				
	(d)		0.331			0.0572		0.0180	0.0095	11.32	0.0948	0.1625	0.1575		0.0926					
	(e)		0.327			0.0579		0.0178	0.0074	11.33	0.0936	0.1118	0.1510		0.0931					
	(f)		0.327			0.0572		0.0177	0.0076	11.35	0.0944	0.1127	0.1623		0.0919					
	(g)		0.066		0.0036i	0.031	0.0036	0.0076	0.0033	11.37	0.027	0.0025i	0.12	0.020	0.031	0.0030				
	(h)		0.35			0.26	0.002	0.17	0.0011	11.5	0.051		0.076		0.2					
	(i)		0.3			0.0511		0.058	0.015	11.55	0.0355		0.055	0.0182	0.577					
	(j)		0.033		0.004	0.030		0.026		11.77	0.025		0.048	0.014	0.043					
	(k)	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(11.74)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001				
	(l)		0.10x			0.15x				11.8	0.08x	0.02x	0.05x		0.15x					

VAW-3007-2	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3006-2	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3164-4	(c)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ERM-EB316	(d)	CRM	AlSi12 - discs (50 mm diameter x 30 mm height)																	disc
ALCOA-SS413	(e)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
VAW-3165-1	(f)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCAN-161CAH	(g)	CRM	ALC-161-CAH																	disc
ALPEC-1775	(h)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALCAN-A413.2AD	(i)	CRM	ALC-A413.2-AD																	disc
ALCAN-160DS	(j)	CRM	ALC-160-DS																	disc
ALCAN-160DQ	(k)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-160DF	(l)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
			Ag	Al	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	
	(a)			(86.4)		<0.0002	0.00508	0.0008	0.00056	0.00137	<0.0002	0.0172	0.0642	0.367	0.0036		0.00053	0.29	0.792	
	(b)					<0.0002		0.0008	0.0011	<0.0002		0.0039	0.11	1.01	0.012		<0.0001	0.038	0.294	
	(c)					<0.0002	<0.0001	<0.0002	0.0067	<0.0002	<0.0002	0.0052	0.023	0.068	0.01		<0.0001	0.043	0.067	
	(d)	(0.0183)				(<0.00015)	0.000295	0.014	(0.00113)	0.00208	(<0.00015)	0.00593	0.297	0.1054	0.0105	(0.0035)	(0.0001)	0.045	0.204	
	(e)	<0.0010			<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	0.12x	0.6	0.012	<0.0010	<0.0010	0.05x	0.08x	
	(f)					<0.0003	<0.0001	<0.0004	0.01	<0.0001	0.0002	0.0008	0.0046	0.2	0.0069		<0.0001	0.2	0.14	
	(g)					0.0001	<0.0001	<0.0001	0.00	0.0001	<0.0001	<0.0001	0.0001	(0.14)	<0.0001		0.00	(0.34)	0.0001	
	(h)											0.0127	0.0570	0.306				0.0265	0.371	
	(i)						0.0009	0.0069	0.0025i	0.0014		0.016	0.033	0.40	0.029		0.0029i	0.260	0.039	
	(j)						0.0013	0.029	0.0020i			0.020	0.042	0.37	0.025		0.0005i	0.024	0.042	
	(k)							0.031	0.0020			0.030	0.053	0.32	0.012		0.0003	0.031	0.034	
	(l)							0.044	0.003			0.045	0.047	0.52				0.034	0.036	
			Mo	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)		0.037	0.00064	0.0199	0.0017	0.002	0.003		11.82	0.0022	0.00119	0.191	0.0087	0.0029	0.00057				
	(b)			0.012	0.024	0.001	0.03	0.017		11.82	0.031	0.011	0.036	0.005	0.062	0.0032				
	(c)			0.0005	0.0023	<0.0004	0.0008	<0.0004		11.89	<0.0003	0.054	0.022	0.0045	0.046	0.0049				
	(d)				0.0235		0.0087	(0.0056)		11.98	(0.0106)	0.0206	0.079	0.0098	0.0611	0.00328				
	(e)			<0.0010	0.10x	<0.0010	<0.0030	<0.0010	<0.0010	12	<0.0030	0.02x	0.05x	0.01x	0.15x	<0.0030				
	(f)			<0.0002	0.0035	0.0006	0.0011	0.0081		12	0.0009	0.14	0.16	0.01	0.06	0.0019				
	(g)			0.0002	<0.0001	0.0004	<0.0001	<0.0001		(12.00)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001				
	(h)				0.0975		0.0307	0.1920		12.05	0-0.0015		0.0480		0.1285					
	(i)			0.0040i	0.031	0.0026	0.0080	0.0039		12.06	0.014	0.064i	0.031	0.019	0.030	0.0034				
	(j)			0.0006i	0.025		0.025			12.12	0.026	0.010i	0.020	0.013	0.024					
	(k)			0.0001	0.028		0.028			12.12	0.029		0.030	0.011	0.045					
	(l)			0.002	0.038		0.038			12.23	0.039		0.040		0.047					

AlSi-alloys

ALSUI-461/01	(a)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALCAN-160DD	(b)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
ALCOA-KB413	(c)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
BAS-IMI231P2	(d)	CRM	BS 1490: LM 20, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
ALPEC-9624	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALSUI-415/03	(f)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
BAS-IMI620WM5	(g)	CRM	BS 1490: LM 6/9/20, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
MBH-54X G06H4 Q	(h)	CRM	Al/Si Alloy, Ø 40x13 mm																disc
MBH-54X G231H3 C	(i)	CRM	Al/Si Alloy, Ø 50x20mm																disc
MBH-54X G13H5 L	(j)	CRM	AlSi alloy, Ø50x17mm																disc
ALSUI-416/04	(k)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
VAW-3005-3	(l)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
			As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P
			(a) 0-0,0001	0-0,0005	0.0051	0.0092	0.0023	0-0,00002		0.0532	0.345	0.454	0.0076		0.131	0.489	0.0019	0.248	
			(b)			0.040	<0.001			0.042	0.044	0.52			0.040	0.037	(0.001)	0.037	
			(c)							<0.0050	0.05x	0.3			0.03x	0.05x		0.05x	
			(d)							0.14	0.41	0.46			0.22	0.48		0.1	
			(e)		0.000002					0.0018	0.0019	0.057			0.0902	0.021		0.0180	
			(f)			0.0084	0.018		0.05	0.03	0.054	0.18	0.0088		0.5	0.096	0,007	0.05	0.002
			(g)							0.14	<0.005	0.15			0.005	0.84		<0.005	
			(h)					0.207		0.12	0.237	0.138		<0.001	0.134	0.691		0.139	(0.004)
			(i)		0.0003					0.063	0.42	0.393			0.039	0.477		0.0932	
			(j)		0.0049				0.0016	0.044	0.216	0.715			0.092	0.119		0.115	
			(k)		0.001		0,0022-0,0025		0.02	0.049	0.19	0.69	0.008	0.0004	0.287	0.386	0,0125-0,0165	0.096	0,0023-0,0028
			(l)				0.0086			0.0059	0.11	0.43	0.012		0.33	0.38		0.12	0.0006
			Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr								
			(a) 0.019	0.003	12.28	0.0201		0.104	0.0141	0.152	0.0193								
			(b) 0.042		12.40	0.042		0.040		0.048									
			(c) 0.12x		12.6	0.12x	0.02x	0.10x		0.08x									
			(d) 0.055		12.64	0.055		0.16		0.16									
			(e) 0.0547	0.0054	12.80	0-0.0004	0.0004	0.0552		0.0492									
			(f) 0.051	0.017	12.8	0.048	0.0006	0.055	0.02	0.036									
			(g) <0.005		12.85	<0.005		0.005		0.005									
			(h) 0.04		13.21	(0.007)	(0.005)	0.124	0.011	0.131									
			(i) 0.008		13.17	0.0139		0.128		0.13									
			(j) 0.013		13.26	0.009	(0.033)	0.032		0.07									
			(k) 0.019	0.0042	13.43	0.016	0,0101-0,0106	0.028	0.0098	0.048	0.0201								
			(l) 0.079	<0.0002	13.6	0.043	0.0007	0.09	0.0045	0.13	0.002								

ALPEC-9619	(a)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
MBH-54X G06H5 L	(b)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
ALPEC-219	(c)	CRM	AlSi, Mushroom (Ø 55 x 4 mm)																	disc
MBH-54X GS20J2 E	(d)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
MBH-54X GS20J1 E	(e)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
ALCAN-5500CAU	(f)	CRM	Rio Tinto Alcan, AA5500																	disc
MBH-55X G28J4 T	(g)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																	disc
MBH-54X GS20J3 D	(h)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
MBH-54X GS20J4 D	(i)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
MBH-55X G28J6 A	(j)	CRM	Al/Si Binary Alloy, Ø 65x30 mm																	disc
			Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Ni	P	Pb	Sb	Si	
	(a)		0.00252					0.0099	0.1529	0.293			0.193	0.145	0.0043		0.0906	0.0160	13.70	
	(b)					(0.0002)		0.026	0.0229	0.21		(0.0001)	(0.0022)	0.85	0.0067		(0.002)		13.76	
	(c)		0.0040						0.0008	0.101			0.117	0.580	0.025		0.0215		14.3	
	(d)		<0.0001		(<0.001)			0.066	0.168	0.565			0.177	0.059	0.091		0.066		18.7	
	(e)		(0.00012)		(<0.001)			0.115	0.308	0.79			0.186	0.097	0.159		0.12		18.8	
	(f)			0.002	0.0048			<0.001	(0.00)	(0.520)	0.002		(0.00)	(0.00)	<0.001		0.006		(19.00)	
	(g)						0.079	0.04	0.82	0.52			0.6	0.45	0.84	(0.002)	0.094		20.4	
	(h)		<0.0001		(<0.001)			0.0017	0.079	0.328			0.118	0.302	(0.003)		0.077		23.9	
	(i)		0.0017		(<0.001)			0.194	(0.0037)	0.227			0.005	0.146	0.265		0.0014		25.5	
	(j)				(0.007)			(0.006)	(0.035)	(0.26)			(0.032)	(0.12)	(<0.01)		(0.008)		27.15	
			Sn	Sr	Ti	V	Zn													
	(a)		0.0587	0.0450	0.0136		0.0037													
	(b)		0.022		0.0106	0.008	0.225													
	(c)		0.0650	0.115	0.015		0.0090													
	(d)		0.075	<0.0001	0.082		0.304													
	(e)		0.13	<0.0001	0.129		0.43													
	(f)		0.001		0.01	0.002	0.002													
	(g)		0.041		0.28	0.01	0.32													
	(h)		(0.012)	<0.0001	0.0055		0.03													
	(i)		(0.0021)	(0.0022)	0.107		0.224													
	(j)		(<0.002)	(0.038)	(0.024)		(0.052)													

AlSi as Sets - individuals available

NCS HS49709-1	(a)	CRM	Aluminium alloy X Z L ø62x30mm	disc
NCS HS49709-2	(b)	CRM	Aluminium alloy X Z L ø62x30mm	disc
NCS HS49709-3	(c)	CRM	Aluminium alloy X Z L ø62x30mm	disc
NCS HS49709-4	(d)	CRM	Aluminium alloy X Z L ø62x30mm	disc
NCS HS49709-5	(e)	CRM	Aluminium alloy X Z L ø62x30mm	disc
NCS HS49709-6	(f)	CRM	Aluminium alloy X Z L ø62x30mm	disc
NCS HS49739-1	(g)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49739-2	(h)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49739-3	(i)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49739-4	(j)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49739-5	(k)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49701C-1	(l)	CRM	Aluminium alloy ø62x30mm	disc
NCS HS49701C-2	(m)	CRM	Aluminium alloy ø62x30mm	disc
NCS HS49701C-3	(n)	CRM	Aluminium alloy ø62x30mm	disc
NCS HS49701C-4	(o)	CRM	Aluminium alloy ø62x30mm	disc
NCS HS49701C-5	(p)	CRM	Aluminium alloy ø62x30mm	disc
NCS HS49701C-6	(q)	CRM	Aluminium alloy ø62x30mm	disc

	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Sr	Ti	Zn
(a)		0.624	0.504	1.35	0.251	1.33	0.016	10.89	0.022		0.079	0.208
(b)		0.932	0.216	0.843	0.614	0.827	0.136	11.34	0.12		0.115	0.165
(c)		1.13	(0.55)	1.14	(0.82)	1	0.039	7.08	0.0085		0.056	0.098
(d)		1.27	0.31	0.801	0.788	0.623	0.031	12.47	0.012		0.139	0.133
(e)		0.41	0.082	1.55	0.092	1.58	0.0025	8.69	0.019		0.021	0.252
(f)	0.0063	1.46	(0.4)	0.513	(0.41)	0.353	0.043	14.56	0.013		0.179	0.049
(g)		0.041	0.655	0.043	0.348			8.9			0.032	0.021
(h)		0.543	0.49	0.079	0.456			10.32			0.078	0.129
(i)		0.233	0.417	0.093	0.541			10.71			0.092	0.067
(j)		0.314	0.342	0.13	0.237			12.33			0.196	0.092
(k)		0.468	0.247	0.163	0.15			14.28			0.195	0.157
(l)		0.413	1.02	0.178	0.309	0.137	0.226	10.38	0.096	0.129	0.055	0.387
(m)		1.41	0.84	0.888	0.452	0.099	0.098	6.91	0.047	0.086	0.078	0.711
(n)		2.07	0.212	0.753	0.54	0.066	0.074	12.64	0.021	0.062	0.042	0.216
(o)		3.56	0.324	1.21	0.97	0.054	0.033	3.49	0.0079	0.039	0.112	0.977
(p)		0.076	0.486	0.041	0.8	0.174	0.014	7.9	0.0027	0.023	0.022	0.049
(q)		5.08	1.37	1.53	0.078	0.025	0.174	0.894	0.107	0.0057	0.182	1.33

NCS HS49716B-1	(a)	CRM	Aluminium alloy ADC12 ø62x30mm	disc
NCS HS49716B-2	(b)	CRM	Aluminium alloy ADC12 ø62x30mm	disc
NCS HS49716B-3	(c)	CRM	Aluminium alloy ADC12 ø62x30mm	disc
NCS HS49716B-4	(d)	CRM	Aluminium alloy ADC12 ø62x30mm	disc
NCS HS49716B-5	(e)	CRM	Aluminium alloy ADC12 ø62x30mm	disc
NCS HS49716B-6	(f)	CRM	Aluminium alloy ADC12 ø62x30mm	disc
NCS HS49744-1	(g)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49744-2	(h)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49744-3	(i)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49744-4	(j)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49744-5	(k)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49740-1	(l)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49740-2	(m)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49740-3	(n)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49740-4	(o)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49740-5	(p)	CRM	Aluminium alloy, ø62x30mm	disc

	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Sr	Ti	Zn	Zr
(a)	0.498	0.699	0.448	0.698	0.143	0.014	7.61	0.073	(0.0002)	0.019	2.93	
(b)	3.16	1.43	0.126	0.561	0.248	0.055	9.68	0.156	0.012	0.011	1.97	
(c)	2.63	1.01	0.195	0.397	0.278	0.048	10.69	0.202	0.096	0.059	1.15	
(d)	2.02	1.06	0.265	0.261	0.427	0.122	12.29	0.275	0.106	0.018	1.54	
(e)	1.24	0.359	0.369	0.101	0.594	0.165	13.98	0.332	0.167	0.101	0.677	
(f)	4.06	1.9	0.049	0.051	0.081	0.0056	6.06	0.043	0.051	0.0071	0.321	
(g)	4.64	0.166	0.063	0.531	0.024		6.78				0.097	
(h)	4	0.443	0.124	0.451	0.024	0.0059	7.55	0.043			0.374	
(i)	3.31	0.706	0.172	0.326	0.244	0.019	8.54	0.072			0.736	
(j)	2.92	0.998	0.239	0.204	0.414	0.065	9.1	0.113			0.977	
(k)	2.49	1.32	0.292	0.099	0.515	0.112	9.99	0.146			1.08	
(l)	(0.017)	0.09	0.538	0.101		(0.01)	6.92	(0.0096)		0.027	0.295	0.028
(m)	0.049	0.165	0.371	0.395		0.105	8.24	(0.018)		0.069	0.136	0.207
(n)	0.079	0.435	0.303	0.608		0.046	9.21	0.0068		0.175	0.234	0.111
(o)	0.081	0.392	0.183	0.24		0.085	10.02	0.013		0.135	0.215	0.078
(p)	0.132	0.269	0.089	0.512		0.129	11.3	0.018		0.275	0.079	0.15

NCS HS49745-1	(a)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49745-2	(b)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49745-3	(c)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49745-4	(d)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49745-5	(e)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49745-6	(f)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49718-1	(g)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49718-2	(h)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49718-3	(i)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49718-4	(j)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49718-5	(k)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49742-1	(l)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49742-2	(m)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49742-3	(n)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49742-4	(o)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49742-5	(p)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49742-6	(q)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc

	Be	Ca	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Sr	Ti	Zn	Zr
(a)		0.065	0.012	0.063	0.064	0.617	0.01	0.0014	0.012	5.45	0.097	0.016	0.0083	0.146	
(b)		0.036	0.07	0.0074	0.214	0.5	0.056	0.0053	0.073	5.94	0.014	(0.144)	0.049	0.069	
(c)		0.0083	0.0081	0.098	0.049	0.426	0.16	0.016	0.006	7.63	0.0058	0.031	0.018	0.0091	
(d)		0.017	0.051	0.015	0.108	0.096	0.075	0.0065	0.1	6.93	0.088	0.101	0.148	0.098	
(e)		0.0077	0.03	0.042	0.22	0.198	0.117	0.029	0.027	6.62	0.046	0.067	0.179	0.039	
(f)		0.0021	0.04	0.027	0.278	0.313	0.109	0.02	0.045	8.62	0.033	(0.0033)	0.105	0.034	
(g)	0.0086			0.303	0.194	0.095	0.411		0.02	6.03	0.011	(0.0083)	0.228	0.375	0.047
(h)	0.013			0.254	0.413	0.207	0.317		0.031	6.36	0.021	(0.0106)	0.188	0.257	0.085
(i)	0.017			0.412	0.654	0.301	0.248		0.063	7.15	0.031	(0.009)	0.132	0.225	0.162
(j)	0.024			0.158	0.911	0.401	0.165		0.088	7.55	0.048	(0.008)	0.088	0.061	0.208
(k)	0.055			0.065	1.12	0.501	0.07		0.123	8.19	0.061	(0.015)	0.043	0.0068	0.26
(l)				0.08	0.076	0.14	0.04			6.03			0.083	0.038	
(m)				0.131	0.238	0.211	0.13			6.53			0.127	0.121	
(n)				0.179	0.396	0.29	0.211			7.17			0.136	0.206	
(o)				0.243	0.571	0.381	0.313			7.79			0.219	0.304	
(p)				0.295	0.758	0.494	0.404			8			0.223	0.422	
(q)				0.065	0.076	0.584	0.011			5.57			0.007	0.013	

NCS HS49741-1	(a)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49741-2	(b)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49741-3	(c)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49741-4	(d)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49741-5	(e)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49703B-1	(f)	CRM	Aluminium alloy ø62x33mm	disc
NCS HS49703B-2	(g)	CRM	Aluminium alloy ø62x33mm	disc
NCS HS49703B-3	(h)	CRM	Aluminium alloy ø62x33mm	disc
NCS HS49703B-4	(i)	CRM	Aluminium alloy ø62x33mm	disc
NCS HS49703B-5	(j)	CRM	Aluminium alloy ø62x33mm	disc
NCS HS49703B-6	(k)	CRM	Aluminium alloy ø62x33mm	disc

	Be	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn	Zr
(a)	0.0047		2.52	0.475	0.163	0.0187		0.009	4.36	(0.0063)	0.041	0.01	0.181
(b)	0.021		2.01	0.364	0.317	0.134		0.029	3.69	0.017	0.118	0.067	0.172
(c)	0.011		1.45	0.294	0.421	0.245		0.051	4.89	0.019	0.154	0.151	0.107
(d)	0.014		1.02	0.186	0.6	0.347		0.088	5.05	(0.014)	0.175	0.201	0.137
(e)	0.014		0.514	0.11	0.686	0.497		0.142	5.67	0.022	0.234	0.305	0.04
(f)		0.085	0.035	0.212	1.16	0.864	0.059		0.526		0.108	0.294	
(g)		(0.144)	0.237	0.344	0.658	0.507	0.042		1		0.049	0.217	
(h)		0.34	0.522	0.432	0.911	0.234	0.03		1.28		0.028	0.091	
(i)		0.232	0.73	0.652	0.442	1.17	0.094		0.224		0.072	0.162	
(j)		0.311	0.011	0.822	0.081	1.48	0.12		1.59		0.0094	0.04	
(k)		0.043	0.99	0.099	1.5	0.043	0.016		0.048		0.16	0.367	

AlSi only as Set

NCS HS50707-1	(a)	CRM	Aluminium Z L D109 (only available as set of 5)	disc
NCS HS50707-2	(b)	CRM	Aluminium Z L D109 (only available as set of 5)	disc
NCS HS50707-3	(c)	CRM	Aluminium Z L D109 (only available as set of 5)	disc
NCS HS50707-4	(d)	CRM	Aluminium Z L D109 (only available as set of 5)	disc
NCS HS50707-5	(e)	CRM	Aluminium Z L D109 (only available as set of 5)	disc
NCS HS50709A-1	(f)	CRM	Aluminium Z L D101 (only available as set of 5)	disc
NCS HS50709A-2	(g)	CRM	Aluminium Z L D101 (only available as set of 5)	disc
NCS HS50709A-3	(h)	CRM	Aluminium Z L D101 (only available as set of 5)	disc
NCS HS50709A-4	(i)	CRM	Aluminium Z L D101 (only available as set of 5)	disc
NCS HS50709A-5	(j)	CRM	Aluminium Z L D101 (only available as set of 5)	disc

	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn
(a)	0.34	0.17	0.64	0.078	0.62	0.037	14.06	0.044	0.11	0.12
(b)	0.57	0.24	0.83	0.43	0.86	0.089	12.35	0.0064	0.14	0.43
(c)	0.82	0.39	1.19	0.21	1	0.058	11.61	0.016	0.19	0.19
(d)	1.18	0.58	1.28	0.28	1.58	0.14	10.64	0.0074	0.26	0.37
(e)	1.91	0.91	1.95	0.12	2.04	0.21	9.25	0.031	0.049	0.05
(f)	0.086	0.29	0.09	0.091			11.93			0.14
(g)	0.18	0.78	0.17	0.44			9.01	0.0075		0.17
(h)	0.48	0.17	0.074				9.99	0.012		0.3
(i)	0.29	1.12	0.31	0.24			6.28	0.0041		0.1
(j)	0.82	0.42	0.48	0.7			5.32	0.019		0.5

AlSiCu-alloys

Code	Product																		Unit
ALCAN-X75SAA	(a)	CRM	AlZn, Ø 57x25 mm																disc
MBH-57X G12H5 G	(b)	RM	Al/Cu/Si Alloy, Ø 40x15 mm																disc
VAW-3433-2	(c)	CRM	AlZn, Ø 60x20 mm																disc
VAW-2416-2	(d)	CRM	AlMn1Cu, Ø 60x20 mm																disc
SEI-NK14S-NDC2	(e)	CRM	AlCu: type 14S, Ø 55x25 mm																disc
ALCOA-SS2014	(f)	CRM	AlCu, Ø 64x25 mm																disc
VAW-3430-2	(g)	RM	AlZn, Ø 60x20 mm																disc
ALSUI-225/01	(h)	CRM	AlCu, Ø 60x25 mm																disc
MBH-57X G12H7 A	(i)	CRM	Al/Cu/Si alloy, Ø50x20mm																disc
ALCOA-KB295	(j)	CRM	AlCu, Ø 64x25 mm																disc
MBH-56X G2000J4 C	(k)	CRM	Al/Cu Alloy, Ø 40x15 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)						0.037				0.034	4.25	0.170				0.032	0.033	
	(b)				0.003				0.023	0.054	0.016	12.2	0.19	0.017			0.028	0.073	
	(c)			<0.0002				0.0005			0.0032	3.02	0.47				0.24	0.51	
	(d)		0.0014	<0.0005	0.001	0.0091	0.0009	0.0046	0.0015	0.058	0.56	0.7	0.013	0.002	0.0011	0.093	1.54	<0.0002	
	(e)									0.052	4.38	0.451					0.477	0.798	
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.04x	4.5x	0.5	0.02x	<0.0005	<0.0005	0.55	0.8	<0.0005	
	(g)			<0.0002			0.0005			0.0078	4.69	1.2					0.094	0.1	
	(h)									0.1	4.78	0.58					0.82	1	
	(i)							<0.001	0.048	0.022	4.75	0.37					0.018	0.034	
	(j)									<0.0050	4.9x	0.35					0.01x	0.03x	
	(k)	0.0122				0.0049			0.0247	0.053	5.02	0.705				0.0025	0.505	0.271	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	Tl	V	Zn	Zr				
	(a)		0.03		0.045			0.49	0.032		0.029			6.71					
	(b)		0.11		0.068	0.066		0.55	0.067		0.036		0.033	0.072	0.045				
	(c)		0.47	<0.001	0.27			0.65	0.049		0.012			6.4					
	(d)		0.054	0.0022	0.008	0.0066		0.66	0.0059	<0.0002	0.16	0.0022	0.018	0.12	0.0061				
	(e)							0.96			0.082			0.105					
	(f)		0.04x	<0.0010	<0.0030	<0.0010	<0.0010	1.0x	<0.0010	<0.0010	0.03x		0.01x	0.12x	<0.0030				
	(g)		0.055	0.0005	0.11			1.1	0.18		0.038			0.98					
	(h)		0.041					1.1			0.115		0.05	0.15	0.04				
	(i)		0.037		0.033			1.2	0.032		0.054		0.012	0.38	0.033				
	(j)		0.08x		0.05x			1.3x	0.01x		0.17x			0.05x					
	(k)		0.089		0.879			1.33	0.0092		0.135		0.0132	0.0131	0.105				

AlSiCu-alloys

ALCAN-8280CAC	(a)	CRM	ALC-8280-CAC																	disc
ALSUI-666/01	(b)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
MBH-57X G12H3 C	(c)	CRM	Al/Cu/Si Alloy, Ø 50x20 mm																	disc
VAW-3431-2	(d)	CRM	AlZn, Ø 60x20 mm																	disc
MBH-57X G12H6 A	(e)	CRM	Al/Cu/Si Alloy, Ø 40x15 mm																	disc
VAW-3031-2	(f)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3432-2	(g)	CRM	AlZn, Ø 60x20 mm																	disc
VAW-3041-2	(h)	RM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCAN-224CAB	(i)	CRM	Rio Tinto Alcan CRM for Alloy AA208.2																	disc
ALCAN-6205AA	(j)	CRM	ALC-6205-AA																	disc
MBH-57X G12H1 C	(k)	CRM	Al/Cu/Si Alloy, Ø 40x15 mm																	disc
ALCAN-224AC	(l)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	
	(a)				(0.002)	(0.002)			<0.001	(1.0)	(0.4)		<0.0001	(0.002)	<0.001	(0.0003)	(0.45)	0.0002	(0.05)	
	(b)								0.17	1.47	0.52			0.8	0.6					
	(c)			0.0016			0.0055	0.039	0.086	8.69	0.35			0.296	0.117		0.479		0.092	
	(d)	<0.0002				0.0007			0.0061	4.21	0.98			0.21	0.32		0.11	<0.0007	0.062	
	(e)			(0.0003)			0.0028	0.0247	0.054	8.28	0.85			0.292	0.223		0.387		0.11	
	(f)	<0.0002	<0.0001	<0.0005	0.0023	<0.0002	0.0002		0.051	1.31	0.39	0.0095	<0.0001	0.26	0.22	<0.0002	0.13	<0.001	0.067	
	(g)	<0.0004				0.00067			0.006	4.16	0.8			0.26	0.41		0.31	<0.0004	0.2	
	(h)					0.005			0.002	2.99	0.79			0.58	0.55		0.41		0.16	
	(i)				<0.001				<0.001	(3.95)	(0.45)	(0.001)		(0.002)	(0.002)		(0.001)			
	(j)				0.036	(0.02)			0.05	20.4	1.25				1.05		0.051		0.04	
	(k)			0.0019			0.012	0.113	0.069	5.54	0.88		0.008	0.4	0.032		0.31		0.016	
	(l)				0.019				0.027	4.26	0.53	0.016		0.022	0.042		0.030		0.021	
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)			(1.4)	(6.9)	<0.0001	(0.002)		<0.005											
	(b)			1.41			0.051		0.1											
	(c)			1.48	0.132		0.196	0.0126	0.554	(0.0006)										
	(d)			1.63	0.15		0.0502		3.08											
	(e)			1.63	0.108		0.108	0.0143	6.74	0.0262										
	(f)	<0.0005		1.97	0.063	0.0002	0.056	0.003	0.07	0.0016										
	(g)			2	0.096		0.057		4.94											
	(h)			2.14	0.18		0.15		0.49											
	(i)			(2.28)			(0.001)	(0.002)	(<0.001)											
	(j)			2.45	0.052				5.55											
	(k)			2.52	0.095		0.114	0.15	1.03	0.07										
	(l)			2.64	0.024		0.15	0.014	0.039											

VAW-3434-2	(a)	RM	AlZn, Ø 60x20 mm																disc
ALCOA-SS296	(b)	CRM	AlCu, Ø 64x25 mm																disc
VAW-3330	(c)	RM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALPEC-1206	(d)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALCOA-SS208	(e)	CRM	AlCu, Ø 64x25 mm																disc
MBH-55X G04H6 E	(f)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																disc
ALCOA-KB213	(g)	CRM	AlCu, Ø 64x25 mm																disc
VAW-3032-3	(h)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
VAW-3332	(i)	RM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCAN-A355.0CAA	(j)	CRM	Alcan CRM for Alloy AA355, 57mm x 25mm																disc
ALCAN-117CAG	(k)	CRM	Rio Tinto Alcan CRM for Alloy AA319 Mushroom																disc
SEI-NKAC2A-NDC1	(l)	CRM	AlSiCu: type AC2A, Ø 55x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				<0.0005			0.0006			0.002	1.86	0.32				0.38	0.059	
	(b)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	4.5x	0.6	0.015	<0.0010	<0.0010	0.06x	0.20x	<0.0010
	(c)											2	0.04				0.01	0.4	
	(d)											4.29	0.795				0.570	0.037	
	(e)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	4.0x	0.6	0.012	<0.0010	<0.0010	0.05x	0.15x	<0.0010
	(f)						0.029		0.0039	0.0024	0.126	5.56	0.83			0.019	0.151	0.028	
	(g)										<0.0050	7.0x	1.0x				0.15x	0.35	
	(h)							0.0029			0.02	1.91	0.53				0.38	0.35	
	(i)											1.55	0.16				0.01	0.03	
	(j)				0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.95)	(0.21)	<0.0001		<0.0001	(0.60)		<0.0001
	(k)				<0.0001	<0.001					<0.001	(3.00)	0.025	<0.001		<0.0001	<0.001	(0.60)	
	(l)							0.0012			0.06	3.82	0.511				0.198	0.464	0.0004
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.2	0.0005	0.3			2.8	0.014		0.027		7.82						
	(b)		0.15x	<0.0010	<0.0030	<0.0010	<0.0010	2.8x	0.01x	<0.0010	0.10x	0.01x	0.25	<0.0030					
	(c)			0.0007				2.95			0.23		0.03						
	(d)		0.301		0.100	0.025		3.00	0.196		0.093		0.154						
	(e)		0.08x	<0.0010	0.10x	<0.0010	<0.0010	3.0x	0.10x	<0.0010	0.12x	0.01x	0.15x	0.04x					
	(f)		0.77		0.221			3.3	0.181		0.126	0.014	0.199						
	(g)		0.30x					3.5x			0.10x		1.2x						
	(h)		0.2	<0.0006	0.1	<0.001		3.87	0.086	0.022	0.082		0.1						
	(i)			0.0005				3.9			0.01		0.033						
	(j)		<0.0001	0.0001	<0.0001	0.0003		(4.00)	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001					
	(k)		<0.001		<0.001			(4.3)	<0.001		0.002	<0.001	<0.001						
	(l)		0.19	0.0003		0.0001		4.41	0.054		(0.1)		0.203						

AlSiCu-alloys

MBH-55X G04H7 E	(a)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																	disc
ALCAN-S250CAC	(b)	CRM	ALC-S250-CAC																	disc
ALCOA-KA355	(c)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
BAS-IMI4P4	(d)	CRM	BS 1490: LM 4, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
ALCAN-127AB	(e)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
VAW-3333-2	(f)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3335-2	(g)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCAN-125AS	(h)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-125AL	(i)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
MBH-55X G04H8 J	(j)	CRM	Al/Si/Cu alloy, Ø50x20mm																	disc
ALCOA-KC355	(k)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
BAS-IMI4P3	(l)	CRM	BS 1490: LM 4, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	
	(a)				0.022		0.0073	0.03	0.035	4.65	0.633		0.0066	0.263	0.212		0.5		0.227	
	(b)				(0.001)				(0.001)	(10.0)	(1.0)	(0.002)		(0.002)	0.005		(0.001)		(0.001)	
	(c)								0.01x	1.0x	0.65			0.63	0.05x		0.03x			
	(d)								0.15	3.69	0.84			0.045	0.3		0.11		0.05	
	(e)				(0.024)	0.006			0.022	4.85	0.39	0.016	0.0004	0.030	0.027		0.027		0.031	
	(f)	<0.0002			0.016	0.0006	<0.0002	<0.0002	0.0028	2.87	0.29	0.012	<0.0001	0.031	0.29	<0.0002	0.0054	0.0004	0.0054	
	(g)	<0.0002			<0.0002	0.0011	<0.0002	<0.0002	0.013	3.37	0.12	0.0087	0.0002	0.15	0.11	0.0032	0.075	0.0018	0.04	
	(h)			0.0009	0.027				0.18	1.28	0.25	0.013	0.0005	0.61	0.039		0.028		0.035	
	(i)				0.027				0.033	1.20	0.19			0.025	0.042		0.028		0.027	
	(j)				0.007		0.0055	0.016	0.0301	2.86	0.529		0.0033	0.126	0.255		0.197		0.128	
	(k)								0.03x	1.3x	0.15x			0.03x	0.08x		0.05x			
	(l)								0.09	3.04	0.61			0.09	0.45		0.22		0.1	
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)		0.009	4.43	0.174		0.0476	0.0057	0.537											
	(b)			(4.5)	(0.001)		0.003	(0.002)	(0.001)											
	(c)			4.5x		0.02x	0.18x		0.05x											
	(d)			4.55	0.055		0.05		0.46											
	(e)			4.59	0.030		0.033	0.013	0.035	0.02										
	(f)	<0.0002		4.76	<0.002	0.0003	0.11	0.0037	0.039	0.0061										
	(g)	<0.0002		4.84	0.029	<0.0002	0.056	0.0039	0.1	0.0013										
	(h)			4.88	0.029		0.12	0.015	0.037											
	(i)			4.95	0.029		0.15		0.030											
	(j)			4.96	0.0809		0.179	0.0214	0.998											
	(k)			5.0x		0.02x	0.12x		0.03x											
	(l)			5.1	0.1		0.1		0.31											

ALCOA-SS355	(a)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
VAW-3050-1	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
MBH-55X G04H2 D	(c)	CRM	Al/Si/Cu Alloy, Ø 45x20 mm																disc
VAW-3334-2	(d)	RM	AlSi, AlSiCu, Ø 60x20 mm																disc
VAW-3336-3	(e)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCAN-6252AE	(f)	CRM	Al, divers, Ø 57x25 mm																disc
ALCAN-125AQ	(g)	CRM	ALC-125-AQ																disc
BAS-IMI4P2	(h)	CRM	Aluminium LM4, Ø 58x7 mm																disc
ALCOA-KB355	(i)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALCOA-SS308	(j)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
MBH-55X G04H3 N	(k)	CRM	Al/Si/Cu Alloy, Ø 45x20 mm																disc
BAS-IMI27WM5	(l)	CRM	BS 1490: LM 27, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.04x	1.3x	0.35	0.02x	<0.0010	<0.0010	0.54	0.08x	<0.0010
	(b)				<0.0002			0.005			0.048	3.29	0.46				0.2	0.22	<0.0003
	(c)							0.001			0.0108	3.21	0.349				0.36	0.203	(0.0009)
	(d)										0.0014	3.43	0.4				0.015	0.205	
	(e)				<0.0002		<0.0002	0.0092	0.001	0.0002	0.035	2.98	0.15	0.01		<0.0001	0.26	0.19	0.0026
	(f)							0.029			0.034	3.01	0.33	0.011			0.33	0.60	
	(g)							0.021			0.027	1.22	0.24	0.011			0.037	0.038	
	(h)										0.05	2.35	0.4				0.19	0.54	
	(i)										0.02x	1.5x	0.15x				0.4	0.15x	
	(j)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	4.5x	0.65	0.02x	<0.0010	<0.0010	0.08x	0.10x	<0.0010
	(k)							0.001			0.0136	3.67	0.643				0.173	0.362	(0.0009)
	(l)										<0.005	2.79	0.91				0.36	0.1	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.05x	<0.0010	<0.0030	<0.0010	<0.0010	5.1x	<0.0030	0.02x	0.12x	0.01x	0.10x	<0.0030					
	(b)		0.11	<0.0005	0.062			5.2	0.038	0.014	0.12		0.32						
	(c)		0.0104	(0.002)	0.0159			5.22	0.0049	0.0025	0.0553		0.185						
	(d)		0.0024		0.0017	<0.0005		5.39	0.0004		0.047		0.055						
	(e)		0.11	0.0025	0.062	<0.0002		5.39	0.04	<0.0002	0.11	0.0068	0.051	0.0021					
	(f)		0.041		0.026			5.41	0.029		0.12	0.012	3.46						
	(g)		0.032		0.018			5.50	0.025		0.15	0.016	0.033						
	(h)		0.31		0.14			5.5	0.15		0.15		0.16						
	(i)		0.01x					5.5x		0.02x	0.08x		0.15x						
	(j)		0.10x	<0.0010	<0.0030	<0.0010	<0.0010	5.5x	<0.0030	0.02x	0.06x	0.01x	0.25	<0.0030					
	(k)		0.01	0.0021	0.025			5.56	0.0047	0.0022	0.109		0.507						
	(l)		0.005		<0.005			5.6	0.15		0.005		1.13						

AlSiCu-alloys

SEI-NKAC4D-NDC2 (a)	CRM	AlSiCu: type AC4D, Ø 55x25 mm																	disc
VAW-3337-3 (b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
MBH-55X G04HX A (c)	CRM	Al/Si/Cu Alloy, HIP, Ø 65x30 mm																	disc
ALPEC-9533 (d)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
VAW-3033-2 (e)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
BAS-IMI4P1 (f)	CRM	Aluminium LM4, Ø 58x7 mm																	disc
ALCAN-B319.1AF (g)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCOA-SS319 (h)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCAN-B319.1CAE (i)	CRM	ALC-B319.1-CAE																	disc
ALCAN-B319.1CAG (j)	CRM	ALC-B319.1-CAG																	disc
BAS-IMI27WM4 (k)	CRM	BS 1490: LM 27, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
ALPEC-907 (l)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
		Ag	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	
(a)								0.0029			0.053	1.5	0.149					0.539	
(b)				<0.0002			<0.0002	0.0048	0.0018	0.0046	0.023	3.22	0.58	0.012			<0.0002	0.25	
(c)	0.003					0.0006	0.0058	0.0011	0.0048	0.006	0.0165	3.4	0.28					0.063	
(d)											0.150	4.92	0.151					0.037	
(e)								0.0073			0.0031	1.99	0.61					0.44	
(f)											<0.005	1.8	0.25					0.25	
(g)						0.0017	0.022i	0.0040i	0.0013		0.015	3.11	0.64	0.024			0.0024i	0.33	
(h)	<0.0010	<0.0010	<0.0010		<0.0005	0.05x	<0.0030	<0.0010	<0.0010	0.01x	3.8x	0.85	0.015	<0.0010			<0.0010	0.10x	
(i)			0.0001		<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	(3.34)	(0.65)	<0.0001				<0.0001	(0.32)	
(j)			0.0002		<0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	(3.34)	(0.65)			<0.0001		(0.32)	
(k)											0.035	2.45	0.76					0.31	
(l)												1.00	0.198					0.018	
		Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr			
(a)		0.103		(0.0028)	0.05	0.0007				5.63			0.107		0.102				
(b)		0.31		0.0081	0.1	0.0034	0.13	<0.0005		5.72	0.011	0.0005	0.034	0.0083	0.21	0.005			
(c)		0.196			0.302	(0.0023)	0.0125	0.0053		5.78	0.0112		0.176	0.0183	0.492	0.0278			
(d)		0.693			0.0240		0.013	0.023		5.88	0.347		0.189		0.683				
(e)		0.37			0.19	0.0009	0.11			5.89	0.096	<0.0005	0.091		0.12				
(f)		0.63			0.4		0.19			5.92	0.19		0.21		0.01				
(g)		0.43		0.0026i	0.049	0.0016i	0.013	(0.002)		6.14	0.014	0.044i	0.060	0.020	0.72	0.0030			
(h)		0.4		<0.0010	0.20x	<0.0010	0.20x	<0.0010	<0.0010	6.2x	0.20x	0.02x	0.15x	0.02x	0.35	<0.0030			
(i)		(0.43)		<0.0001	<0.0001	0.0001	0.0002	0.0002		(6.30)	0.0002	<0.0001	0.0001	<0.0001	(0.70)	0.0001			
(j)		(0.43)	<0.0001	0.0001	<0.0001	0.0002	0.0002	0.0002		(6.30)	<0.0001	0.0001		<0.0001	(0.70)	0.0001			
(k)		0.24			0.11		0.05			6.5	0.12		0.06		0.98				
(l)		0.356			0.0303		0.0017	0.069		6.54	0.030		0.030		0.498				

VAW-3051-1	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
MBH-55X G04H9 E	(b)	CRM	Al/Si/Cu alloy, Ø50x15mm																disc
VAW-3012-4	(c)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
VAW-3046-5	(d)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
VAW-3044-2	(e)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
SEI-NKAC2C-NDC1	(f)	CRM	AlSiCu: type AC2C, Ø 55x25 mm																disc
MBH-55X G04H10 D	(g)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																disc
ALCOA-ST1-300	(h)	CRM	ASM-ST1-300																disc
BAS-IMI27WM3	(i)	CRM	BS 1490: LM 27, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
ALCOA-KB380	(j)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
MBH-55X G26H1 F	(k)	RM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
BAS-IMI27WM1	(l)	CRM	BS 1490: LM 27, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
			Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni
	(a)					<0.0002	0.0006			0.0031	1.63	0.47			0.0003	0.054	0.084	<0.001	0.052
	(b)				(0.0037)		0.0018	0.0114	0.0172	2.7	0.393				(0.0028)	0.043	0.436		0.16
	(c)		<0.0002			0.0067	0.0068	0.0016	0.13	0.51	0.5	0.034	0.0014		0.0004	0.22	0.54	0.0003	0.1
	(d)		<0.0002	0.0017	0.01	0.001	0.004	0.0048	0.031	3.03	0.2	0.018	0.001		<0.0002	0.087	0.15	0.059	0.16
	(e)					0.013			0.0044	2.71	0.79					0.68	0.54		0.38
	(f)				0.0092	0.009			0.053	3.98	0.296					0.528	0.382	0.0007	0.051
	(g)				0.029			0.043	0.09	1.36	0.512	0.011			(0.0005)	0.004	0.532		0.0232
	(h)	0.001x		0.0005	0.001x		0.001x	0.001x	0.01x	0.8	0.6	0.02x				0.3	0.15x		0.10x
	(i)								0.075	1.98	0.55					0.18	0.4		0.2
	(j)				0.10x				0.03x	4.1x	0.65					0.05x	0.6		0.10x
	(k)				0.07			0.022	0.2	4.34	1.78					0.29	0.015		0.012
	(l)								0.14	0.94	0.17					0.005	0.66		0.39
			P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)		<0.001	0.041	0.012	6.57	0.03	0.0008	0.045		0.28								
	(b)			0.101		6.6	0.0563		0.117	0.0188	1.7								
	(c)		0.0007	0.098	<0.0004	6.78	0.063	0.021	0.17	0.011	0.51	0.0072							
	(d)		0.0005	0.0019	0.085	6.94	<0.001	0.004	0.16	0.04	0.56	0.0063							
	(e)		0.0011	0.17		6.95	0.18	0.0006	0.16		0.49								
	(f)		0.0012	0.048		7.13	0.048		(0.204)		0.104								
	(g)			(0.0074)		7.21	<0.01		0.0097	0.008	2.26								
	(h)			0.003x	0.001x	7.5x	0.001x	0.02x	0.10x	0.01x	0.10x	0.001x							
	(i)			0.1		7.5	0.085		0.11		0.8								
	(j)			0.20x		7.6x	0.10x	0.02x	0.03x		0.9								
	(k)			0.24		7.69	(0.008)		0.21	0.012	1.14								
	(l)			0.17		7.77	<0.005		0.21		0.4								

AlSiCu-alloys

BAS-IMI27WM2	(a)	CRM	BS 1490: LM 27, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
VAW-3047-4	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALSUI-431/02	(c)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
VAW-3054-4	(d)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALPEC-9539	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
VAW-3415	(f)	RM	AlZn, Ø 60x20 mm																	disc
MBH-55X G02D9 J	(g)	CRM	Al/Si/Cu Alloy, Ø 50x15 mm																	disc
ALCOA-KF380	(h)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
MBH-54X G06H1 R	(i)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
VAW-3013-3	(j)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3412-2	(k)	RM	AlZn, Ø 60x20 mm																	disc
VAW-3048-8	(l)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
			Al	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni	
	(a)									0.12	1.52	0.35				0.12	0.57		0.3	
	(b)			<0.0002		0.0004	0.0013	0.0029	0.0013	0.032	3.07	0.67	0.018	0.0035	<0.0002	0.32	0.86	0.0002	0.2	
	(c)						0.0069			0.011	0.69	0.091				0.55	0.053	0.0014	0.51	
	(d)			<0.0005	<0.0002	0.0012	0.0011	0.001	0.0007	0.021	3.65	0.75	0.012	0.0086	0.0003	0.25	0.64	0.0059	0.051	
	(e)									0.061	3.90	0.499				0.551	0.382		0.5972	
	(f)			<0.001			0.0028			0.01	1.42	0.52			<0.0003	0.36	0.27	<0.0003	0.18	
	(g)				0.0038			0.0011	0.0377	0.136	3.22	0.644				0.108	0.222		0.15	
	(h)					0.10x				0.02x	2.6x	0.7				0.3	0.45		0.10x	
	(i)					0.006		0.0074	0.015	0.084	0.63	1.08			<0.001	0.489	0.022		0.611	
	(j)			<0.0005			0.0056	<0.0002		0.08	0.7	0.59			<0.0002	0.85	0.65	0.0004	0.1	
	(k)			0.0005			0.0035			0.0038	1.4	0.37				0.49	0.156		<0.005	
	(l)	(85.4)	<0.0005	0.00072	0.005	0.00361	0.00494	0.00787	0.0468	2.82	0.853	0.0334	0.0022	<0.0002	0.307	0.331	<0.0005	0.1429		
			P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr								
	(a)			0.14		7.79	0.045		0.16		0.63									
	(b)	0.0031	0.26	<0.0005		7.79	0.048	0.0003	0.2	0.01	1.09	0.0027								
	(c)					7.91		0.13	0.018	0.017	0.025									
	(d)	0.0027	0.066	0.0013		8.09	0.046	0.0016	0.12	0.016	1.1	0.017								
	(e)		0.284	0.010		8.23	0.013		0.056		1.217									
	(f)	0.0006	0.049	<0.0004		8.24	0.035	0.02	0.055		8									
	(g)		0.245	0.123		8.33	0.261		0.124	0.0154	2.17									
	(h)		0.10x			8.4x	0.15x	0.02x	0.11x		3.5x									
	(i)		0.082			8.43	0.133		0.248	0.01	0.6									
	(j)	0.0007	0.36	<0.002		8.45	0.3	0.091	0.11		0.39									
	(k)	0.002	0.004			8.46		<0.001	0.0038		9.2									
	(l)	0.0042	0.0968	0.0035		8.66	0.0839	0.091	0.1018	0.0126	0.98	0.0088								

VAW-3034-4	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
BAS-IMI24WM4	(b)	CRM	Aluminium, mushroom, Ø 58x7 mm																	disc
ALCAN-6285CAB	(c)	CRM	ALC-6285-CAB																	disc
VAW-3413-2	(d)	RM	AlZn, Ø 60x20 mm																	disc
ALCOA-SS380	(e)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCOA-KD360	(f)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCOA-ST2-300	(g)	CRM	ASM-ST2-300																	disc
ALCOA-SS354	(h)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
VAW-3056-2	(i)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCAN-A333.0AF	(j)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
BAM-M315	(k)	CRM	Aluminium alloy AlSi9Cu3																	disc
ALCOA-KG380	(l)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)				<0.0002	0.0005	<0.001	0.021	0.001	0.0052	0.0065	2.11	0.68	0.01	<0.0002	<0.0001	0.57	0.47	0.0002	
	(b)										0.045	2.93	0.69				0.26	0.43		
	(c)						(0.001)				<0.001	(1.90)	(0.002)	<0.001			(0.48)	<0.001		
	(d)				0.0003			0.0063			0.0029	1.13	0.24				0.29	0.1		
	(e)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	3.6x	0.9	0.02x	<0.0010	<0.0010		0.20x	0.4	<0.0010	
	(f)									0.01x	0.75	0.10x					0.52	0.05x		
	(g)	0.001x			0.0005	0.001x		0.001x	0.001x	0.03x	3.5x	1.1x	0.02x				0.20x	0.5		
	(h)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.01x	1.8x	0.15x	0.02x	<0.0010	<0.0010		0.55	0.05x	<0.0010	
	(i)			<0.0005	<0.0001	0.004	0.0031	0.0019	0.0006	0.056	1.59	0.28	0.01			0.0005	0.48	0.3	0.0023	
	(j)				<0.0001	0.021	0.0043i				0.015	3.54	0.85	0.030		0.0015i	0.082i	0.35	0.0033i	
	(k)			(<0.0003)	0.0005	0.0041			0.0011	(<0.0003)	0.0311	2.51	0.59	0.0101	(0.0033)		0.422	0.314		
	(l)					0.05x					0.01x	3.2x	0.9				0.10x	0.3		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.22	0.0012	0.12	<0.0002		8.82	0.096	0.0005	0.1	0.0036	0.14	0.0029						
	(b)		0.45		0.24			8.85	0.16		0.16		1.5							
	(c)		<0.001		<0.001			(8.9)	<0.001		(0.001)	(0.003)	<0.001							
	(d)		<0.005	0.004	0.003			8.91		<0.001	0.012		9.7							
	(e)		0.3	<0.0010	<0.0030	<0.0010	<0.0010	8.9x	<0.0030	0.02x	0.08x	0.01x	0.35	<0.0030						
	(f)		0.02x	0.003x		0.10x		9.0x		<0.0050	0.12x		0.03x							
	(g)		0.10x		0.003x	0.001x		9.0x	0.001x	0.02x	0.10x	0.01x	2.5x	0.001x						
	(h)		0.01x	<0.0010	0.02x	<0.0010	<0.0010	9.0x	0.02x	0.02x	0.12x	0.01x	0.05x	<0.0030						
	(i)		0.28	0.0011	0.11	0.0021		9.07	0.095	0.014	0.099	0.0056	0.47	0.0012						
	(j)		0.13	0.001	0.015	0.0057		9.13	0.017	0.0029i	0.032	0.030	2.34	0.018						
	(k)		0.096	(0.0013)	0.079	(0.0032)		9.18	0.0771		0.143	0.0054	0.77	0.003						
	(l)		0.3		0.20x			9.2x	0.10x	0.02x	0.05x		3.0x							

AlSiCu-alloys

ALCOA-KD380	(a)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
VAW-3055-4	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALSUI-432/02	(c)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
NIST-1256b	(d)	CRM	Aluminum Alloy 380																	disc
MBH-55X G02D8 L	(e)	CRM	Al/Si/Cu alloy, Ø50x13mm																	disc
VAW-3414-2	(f)	RM	AlZn, Ø 60x20 mm																	disc
ALCAN-A380.2CAC	(g)	CRM	ALC-A380.2-CAC																	disc
MBH-55X G02DX A	(h)	CRM	Al/Si/Cu Alloy, HIP, Ø 65x30 mm																	disc
ALCOA-KH380	(i)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
ALCAN-A333.0Al	(j)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
BAS-IMI2WM2	(k)	CRM	BS 1490: LM 2, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
MBH-55X G02D7 N	(l)	CRM	Al/Si/Cu alloy, Ø50x13mm																	disc
			Ag	Al	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Ge	Hg	Li	Mg	
	(a)											0.06x	3.6x	1.1x					0.20x	
	(b)			(86)	<0.0005			0.0031	0.00223	0.00173	0.00124	0.06	2.53	0.476	0.0312		0.0034	0.00041	0.144	
	(c)								0.0042			0.021	0.9	0.18					0.8	
	(d)											0.0572	3.478	0.865	(0.0183)				0.0637	
	(e)						0.0008			0.0049	0.0303	0.0704	2.36	0.779					0.119	
	(f)				0.0005				0.008			0.0018	1.26	0.37					0.34	
	(g)	0.0011				0.0002		<0.0001	<0.0001	0.0001	0.0002	0.0003	(3.64)	(0.39)	<0.0001	<0.0001			0.0005	
	(h)	0.0052					0.002	0.02	(0.0011)	0.0011	0.0108	0.0321	2.33	0.773					0.118	
	(i)							0.15x				<0.0050	3.8x	1.2x					0.05x	
	(j)						0.0012	0.019	0.0021	0.0012		0.11	3.47	0.90	0.017			0.0022i	0.14	
	(k)											0.05	1.1	0.85					0.095	
	(l)						0.0012			0.0022	0.0419	0.0481	1.35	0.95					0.332	
			Mn	Mo	Na	Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)		0.3			0.20x		0.05x		9.2x	0.06x	0.02x	0.06x		2.7x					
	(b)		0.266		0.00062	0.1245	0.0025	0.127	0.0055	9.27	0.1108	0.0139	0.0276	0.0147	0.812	0.00243				
	(c)		0.105		0.004	0.75	0.0006			9.33		0.055	0.039	0.0037	0.054					
	(d)		0.3857			0.4135		0.1075		9.362	(0.0091)	0.0173	0.0859	0.0203	1.011					
	(e)		0.443			0.364		0.248	0.0245	9.38	0.239		0.182	0.0438	1.38					
	(f)		0.2			<0.005	0.007	0.003		9.41		<0.001	0.0033		9.2					
	(g)	0.0008		<0.0001		0.0006	0.0001	0.0003	0.0001	(9.45)	<0.0001	0.0001	<0.0001	0.0002	0.0002	0.0001				
	(h)	0.247				0.206	0.0053	0.029	0.0095	9.58	0.0288		0.041	0.0129	1.03	0.0103				
	(i)	0.15x				0.4		0.05x		9.6x	0.05x	0.02x	0.02x		2.2x					
	(j)	0.33			0.0028i	0.15	0.0032i	0.13	0.0039	9.70	0.17	0.0031i	0.12	0.020	2.56	0.0029				
	(k)	0.48				0.3		0.15		9.76	0.14		0.16		1.2					
	(l)	0.502				0.192		0.311	0.0039	9.79	0.158		0.195	0.0208	0.786					

ALCAN-A380.2-AD	(a)	CRM	AA A380.2 AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-A143CAX	(b)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
VAW-3300-2	(c)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3053-4	(d)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
MBH-54X G06H2 S	(e)	CRM	Al/Si Alloy, Ø 40x13 mm																	disc
BAS-IMI231P4	(f)	CRM	BS 1490: LM 20, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																	disc
VAW-3301-2	(g)	RM	AlSi, AlSiCu, Ø 60x20 mm																	disc
MBH-54X G231H1 D	(h)	CRM	Residuals in aluminium, Ø50x20mm																	disc
VAW-3035-3	(i)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCAN-4145AB	(j)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-383.1CAC	(k)	CRM	ALC-383.1-CAC																	disc
VAW-3016-2	(l)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
			Al	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	
	(a)				0.0009i	0.0078	0.0027i	0.0009i		0.020	0.033	3.63	0.39			0.0025i		0.026i	0.027	
	(b)			0.0001		<0.0001	0.0001	0.0001	<0.0001	0.0007	0.0004	(3.04)	(0.48)	0.0008			<0.0001	(0.90)	(0.30)	
	(c)			0.0001		<0.0001	<0.0004	0.0069	<0.0003	<0.0004	0.011	2.41	0.7	0.0098			<0.0001	0.35	0.35	
	(d)			<0.0002			0.0048	0.0065	0.0029	0.0014	0.038	3.65	0.99	0.01			0.0016	0.41	0.45	
	(e)						0.027		(0.0004)	0.0086	0.13	0.54	0.64				(0.0044)	0.4	0.234	
	(f)									0.05	1.08	0.88						0.39	0.29	
	(g)			<0.001				0.002	0.002	0.003	0.006	2.98	0.77	0.007	0.002			0.38	0.40	
	(h)					0.002				0.105	1.1	0.95						0.34	0.055	
	(i)			<0.0002		<0.0001	<0.0002	0.032	<0.0001	0.0004	0.17	1.98	0.65	0.0094			<0.0001	0.6	0.44	
	(j)					0.0012	0.032	0.0023	0.0012		0.050	4.12	0.54	0.019			0.0016i	0.050	0.050	
	(k)			0.0004		<0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0007	(2.69)	(1.03)	<0.0001			<0.0001	0.0001	(0.38)	
	(l)	(86.8)		<0.0002			0.00052	0.0085			0.0251	0.666	0.608	0.0123	0.0044			0.198	0.333	
			Mo	Na	Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.0025i	0.0021	0.030	0.0080	(0.003)	0.020	9.80	0.0031i	0.030		0.022	0.031	0.003					
	(b)			<0.0001	(0.97)	0.0002	0.0001	0.002	(10.0)	0.0001	<0.0001	(0.14)	0.007	0.0004	0.0005					
	(c)				0.0075	0.0012	0.0099	<0.0004	10.03	0.0029	<0.0002	0.0104	0.0035	0.99	0.03					
	(d)			0.0027	0.32	0.005	0.17	0.015	10.18	0.097	0.0076	0.16	0.014	1.07	0.0008					
	(e)				0.55		0.213		10.19	0.116		0.179	0.018	0.47						
	(f)				0.22		0.15		10.23	0.16		0.055		0.46						
	(g)				0.060	0.003	0.11		10.5	0.005		0.018	0.006	1.15	0.005					
	(h)				0.35		0.09		10.5	0.16	(0.01)	0.02		0.72						
	(i)			<0.0002	0.2	0.0006	0.13	<0.0003	10.62	0.087	0.035	0.077	0.0063	0.2	0.0012					
	(j)			0.0018i	0.054	0.0033i	0.031	(0.0038)	10.66	0.030	0.0031	0.046	0.020	0.058	0.0028					
	(k)			<0.0001	0.0005	0.0007	0.0004	0.0001	(10.93)	<0.0001	<0.0001	0.0011	0.0002	(2.63)	<0.0001					
	(l)				0.0188	0.002	0.0058	0.026	11	0.0019	0.042	0.0398	0.0116	0.235	0.00587					

AlSiCu-alloys

ALCOA-SS383	(a)	CRM	AlMn, Ø 64x25 mm																	disc
ALCAN-383.1AB	(b)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALSUI-462/02	(c)	CRM	AlSiCuZnFe, Ø 60 x 25 mm																	disc
MBH-55X G02DY A	(d)	CRM	Al/Si/Cu Alloy, HIP, Ø 65x30 mm																	disc
MBH-54X G231H2 C	(e)	CRM	Al/Si Alloy, Ø 50x17 mm																	disc
ALPEC-9524	(f)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
SEI-NKADC12-NDC1	(g)	CRM	AlSiCu: type ADC12, Ø 55x25 mm																	disc
VAW-3310-1	(h)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
ALCOA-KAA332	(i)	CRM	AlSi, AlSiCu, Ø 64x25 mm																	disc
MBH-54X G13H4 P	(j)	CRM	Mg/Al/Zn Alloy, ø50x17mm																	disc
ALSUI-471/02	(k)	CRM	AlSi, Ø 60x25 mm																	disc
MBH-55X A30J4 G	(l)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.06x	2.5x	1.0x	0.02x	<0.0010	<0.0010	0.25	0.35	<0.0010	
	(b)					0.0013	0.016	0.0033i	0.0009		0.10	2.67	0.97	0.026		0.0030i	0.12	0.35	0.0023i	
	(c)			(0,0002)	(0,0005)	0.0005	0.0062	0.0015	(0,0001)	0.0047	0.049	1.96	0.816	0.0113	(0,0002)	0.0003	0.189	0.402	0.0008	
	(d)		0.0102			0.0012	0.01	(0.0011)	0.0032	0.0195	0.063	3.67	0.591				0.309	0.107		
	(e)					0.0146					0.0469	0.868	0.131				0.159	0.191		
	(f)											0.50	0.086				0.49	0.257		
	(g)							0.015			0.033	3.02	0.247				0.04	0.041		
	(h)				<0.0004	0.0035	0.12	0.0023	0.0047	0.018	0.051	3.91	0.42	0.018	0.0013	0.0005	0.045	0.11	0.0009	
	(i)										<0.0050	1.0x	0.5				<0.0050	0.06x		
	(j)					0.0017				0.005	0.028	0.68	0.53				0.64	0.23		
	(k)							0.005			0.052	4.9	0.84	0.0098			0.637	0.113		
	(l)						<0.0001				0.0752	3.21	0.511				0.508	0.35		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.10x	<0.0010	0.20x	<0.0010	<0.0010	11	0.15x	0.03x	0.08x	0.01x	2.5x	<0.0030						
	(b)		0.22	0.0020	0.10	0.0069		11.24	0.11	0.0034i	0.15	0.036	2.65	0.017						
	(c)		0.19	(0,003)	0.21	0.0108		11.3	0.0185	0.0087	0.15	0.0092	1.21	0.0049						
	(d)		0.109	0.01	0.062	0.0199		11.31	0.0747		0.0687	0.025	0.153	0.0218						
	(e)		0.171		0.082			11.6	0.127	(0.0006)	0.085		0.397							
	(f)		0.53		(0.098)	0.0331		11.69	(0.0984)		0.019		0.148							
	(g)		0.033					11.85			0.042		0.037							
	(h)		1.08	0.0024	0.12	0.017		11.95	0.049	0.0006	0.1	0.056	0.19	0.089						
	(i)		2.7x	0.005x		0.003x		12.4		0.02x	0.06x		<0.0050							
	(j)		0.79		0.062			12.4	0.061	0.05	0.11		0.44	0.017						
	(k)		0.102	0.0019	0.054			15.8	0.053		0.178	0.077	0.115	0.058						
	(l)		0.164	(0.003)	0.0257			16.4	0.019		0.0231	0.02	0.067							

MBH-55X A30J3 J	(a)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																disc
ALCOA-SS390	(b)	CRM	Al, divers, Ø 64x25 mm																disc
ALCAN-392.0AB	(c)	CRM	Al, Ø 57x25 mm																disc
MBH-55X A30J5 A	(d)	CRM	Al/Si/Cu Alloy, HIP, Ø 65x30 mm																disc
VAW-3382-2	(e)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCAN-A390.1AA	(f)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
MBH-55X G28J5 Y	(g)	RM	Al/Si/Cu Alloy, Ø 40x13 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					<0.0005	0.02			0.194	0.037	4.02	0.29				0.31	0.259	
	(b)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.05x		4.5x	0.9	0.02x	<0.0010	<0.0010	0.6	0.25	<0.0010
	(c)											(1.00)					(1.00)		
	(d)					0.0029	0.01	0.0053		0.0396	0.069	4.51	0.727				0.722	0.213	
	(e)				<0.0002		<0.0003	0.0025			0.0015	0.92	0.39	0.011		<0.0001	0.825	0.21	<0.0003
	(f)					0.0011	0.0029	0.0016	0.0014	(0.0016)	0.050	4.84	0.38	0.016			0.62	0.052	
	(g)										0.009	0.69	0.26				0.73	0.67	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)	0.072	(0.002)	0.018				16.5	0.083		0.144	0.006	0.048						
	(b)	0.10x	0.01x	0.08x	<0.0010	<0.0010		16.7	0.08x	<0.0050	0.10x	0.01x	0.5	<0.0030					
	(c)	(1.00)						(17.00)											
	(d)	0.209	0.016	0.084				17.08	0.0776		0.07		0.693						
	(e)	0.92	0.0019	0.0013	<0.0002			17.1	<0.001	<0.0002	0.065	0.0076	0.086	0.0017					
	(f)	0.051	0.0037	0.0035	0.0028			17.70	0.046		0.13	0.018	0.047	0.0032					
	(g)	0.43	<0.005	0.18				27.6	0.03		0.24		0.015						

AlCu only as Set

NCS HS50705-1	(a)	CRM	Aluminium Z L D110 (only available as set of 5)	disc
NCS HS50705-2	(b)	CRM	Aluminium Z L D110 (only available as set of 5)	disc
NCS HS50705-3	(c)	CRM	Aluminium Z L D110 (only available as set of 5)	disc
NCS HS50705-4	(d)	CRM	Aluminium Z L D110 (only available as set of 5)	disc
NCS HS50705-5	(e)	CRM	Aluminium Z L D110 (only available as set of 5)	disc
NCS HS50708-1	(f)	CRM	Aluminium Z L D108 (only available as set of 5)	disc
NCS HS50708-2	(g)	CRM	Aluminium Z L D108 (only available as set of 5)	disc
NCS HS50708-3	(h)	CRM	Aluminium Z L D108 (only available as set of 5)	disc
NCS HS50708-4	(i)	CRM	Aluminium Z L D108 (only available as set of 5)	disc
NCS HS50708-5	(j)	CRM	Aluminium Z L D108 (only available as set of 5)	disc

	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn
(a)	8.48	1.16	0.13	0.12	0.068	0.099	3.25	0.008		0.124
(b)	7.19	0.81	0.25	0.15	0.48	0.018	4.13	0.0052		0.18
(c)	5.89	0.3	0.39	0.73	0.176	0.071	5.13	0.017		0.69
(d)	4.81	0.5	0.58	0.46	0.3	0.042	6.21	0.011		0.44
(e)	3.97	0.21	0.89	0.26	0.125	0.028	7.84	0.028		0.26
(f)	0.7	0.28	0.315	0.24	0.099	0.022	14.18	0.0056	0.045	0.064
(g)	1.015	0.324	1.17	0.36	0.19	0.034	12.61	0.0173	0.056	0.235
(h)	1.42	0.406	0.86	0.48	0.317	0.052	11.49	0.011	0.18	0.106
(i)	1.77	0.9	0.655	0.644	0.42	0.071	9.97	0.021	0.105	0.133
(j)	2.4	0.62	0.43	0.98	0.607	0.12	8.88	0.038		0.487

NCS HS50713-1	(a)	CRM	Aluminium Z L 3 (only available as set of 5)	disc
NCS HS50713-2	(b)	CRM	Aluminium Z L 3 (only available as set of 5)	disc
NCS HS50713-3	(c)	CRM	Aluminium Z L 3 (only available as set of 5)	disc
NCS HS50713-4	(d)	CRM	Aluminium Z L 3 (only available as set of 5)	disc
NCS HS50713-5	(e)	CRM	Aluminium Z L 3 (only available as set of 5)	disc
NCS HS57701-1	(f)	CRM	GH4169 High temp alloy (Set of 5 only)	disc
NCS HS57701-2	(g)	CRM	GH4169 High temp alloy (Set of 5 only)	disc
NCS HS57701-3	(h)	CRM	GH4169 High temp alloy (Set of 5 only)	disc
NCS HS57701-4	(i)	CRM	GH4169 High temp alloy (Set of 5 only)	disc
NCS HS57701-5	(j)	CRM	GH4169 High temp alloy (Set of 5 only)	disc

	Cu	Fe	Mg	Mn	Ni	Si	Zn
(a)	5.42	0.12	0.3	0.14	0.088	6.5	0.18
(b)	7.3	0.22	0.52	0.09	0.42	5.31	0.12
(c)	9.01	0.26	0.19	0.23	0.61	4.27	0.59
(d)	4.3	0.44		0.68	0.052	8.27	0.9
(e)	6.18	0.68	0.67	0.42		6.4	0.37
(f)	5.28	0.41	0.19	0.57		4.71	0.59
(g)	1.45	0.63	0.18	0.4		8.61	0.79
(h)	3.54	0.5	0.4	0.79		5.63	1.25
(i)	3.98	0.56	0.21	0.46		6.17	0.3
(j)	0.99	1.01	0.23	0.21		9.49	0.77

AlSiCuMg-alloys

Code	Product																		Unit
ALCAN-2018AB	(a)	CRM	AlCu, Ø 57x25 mm																disc
MBH-56X G14H4 C	(b)	CRM	Al/Cu Alloy, Ø 50x20 mm																disc
ALCAN-17SBE	(c)	CRM	AlCu, Ø 57x25 mm																disc
ALCAN-6111AE	(d)	CRM	Al-Leg, Ø 57x25 mm																disc
ALPEC-849	(e)	CRM	AlMg, Ø 55x30 mm																disc
ALCAN-6111CAF	(f)	CRM	Rio Tinto Alcan CRM for Alloy AA6111, 57mm x 25mm, ~170g																disc
ALCOA-SS2018	(g)	CRM	AlCu, Ø 64x25 mm																disc
ALCOA-SS6111	(h)	CRM	Alcoa CRM, Ø64mm x 25mm																disc
ALCAN-6066AF	(i)	CRM	Al, Ø 57x25 mm																disc
ALPEC-234	(j)	CRM	AlCu, Ø 55x30 mm																disc
ALCAN-6066CAG	(k)	CRM	Rio Tinto Alcan CRM for Alloy AA6066, 57mm x 25mm, ~170g																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					0.0011	0.021	0.0025	0.0012	0.0017	0.028	4.14	0.34	0.020		0.0017i	0.62	0.015	0.0009i
	(b)									0.0288	0.0309	3.82	0.251				1.72	0.122	
	(c)						0.021				0.032	4.33	0.40	0.020			0.69	0.66	
	(d)					0.0013	0.025	0.0023i	0.0014		0.072	0.75	0.24	0.019		0.0025i	0.77	0.20	0.0019i
	(e)					0.00010					0.1308	0.753	0.613	0.0258			0.629	0.0504	
	(f)			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.068)	(0.69)	(0.15)	<0.0001	<0.0001	<0.0001	(0.69)	(0.17)	<0.0001	
	(g)	<0.0010	<0.0010	<0.0010	<0.0005	0.05x	<0.0005	<0.0010	<0.0010	0.05x	4.2x	0.4	0.02x	<0.0005	<0.0005	<0.0005	0.65	0.05x	<0.0005
	(h)									0.0303	0.703	0.25	0.0136				0.595	0.235	
	(i)					0.0013	0.007	0.0028	0.0011		0.018	0.96	0.60	0.021		0.0034i	0.97	0.71	0.0039i
	(j)					0.0045					0.0317	3.36	0.0545				1.93	0.296	
	(k)				0.0004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	(0.96)	(0.61)	<0.0001		<0.0001	(1.00)	(0.67)	<0.0001
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		2.15	0.0030	0.017	0.0025		0.48	0.015	0.0026	0.027	0.016	0.030	0.0018					
	(b)		2.37		0.05			0.504	0.037		0.069	0.0252	0.091						
	(c)		0.041		0.03			0.54	0.032		0.039	0.010	0.046						
	(d)		0.028	0.003	0.016	0.0031		0.60	0.018	0.0026i	0.065	0.023	0.027	0.0031					
	(e)		0.0060		0.0015			0.613	0.0203		0.0043	0.0122	0.2497	0.1164					
	(f)		0.0001	<0.0001	<0.0001	<0.0001		(0.64)	<0.0001	<0.0001	(0.066)	<0.0001	<0.0001	0.0002					
	(g)	2.1x	<0.0010	0.05x	<0.0010	<0.0010	<0.0010	0.7	<0.0010	<0.0010	0.04x	0.01x	0.12x	<0.0030					
	(h)							0.786			0.0414	0.0105	0.099						
	(i)		0.032	0.0032	0.0075	0.0026		0.97	0.014	0.0029	0.032	0.021	0.28	0.0032					
	(j)		0.0470		0.0003			1.000	0.0470		0.0140		0.1530	0.0830					
	(k)		0.0001	<0.0001	0.0001	<0.0001		(1.05)	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001					

ALCOA-SS6066	(a)	CRM	Al, divers, Ø 64x25 mm																disc
ALSUI-665/01	(b)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALCAN-125AT	(c)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
ALCOA-SS332	(d)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALPEC-9528	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALPEC-9527	(f)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
MBH-55X G26H2 F	(g)	CRM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
ALCAN-A143AW	(h)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
MBH-54X G13H3 M	(i)	CRM	Al/Si Alloy, Ø 40x13 mm																disc
MBH-54X G13H2 M	(j)	CRM	Al/Si Alloy, Ø 40x13 mm																disc
ALCAN-6195AE	(k)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
ALPEC-9526	(l)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.03x	1.0x	0.35	0.02x	<0.0005	<0.0005	1.2x	0.9	<0.0005
	(b)										0.11	1	0.72				1.2	0.41	
	(c)				0.0011	0.031	0.022				0.023	1.17	0.63	0.009		0.0006	1.08	0.22	0.0014
	(d)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	3.2x	0.7	0.015	<0.0010	<0.0010	1.0x	0.25	<0.0010
	(e)											1.99	0.556				1.75	0.055	
	(f)											2.01	0.557				1.75	0.056	
	(g)					0.035		(0.0024)	0.052	0.083	4.14	0.71	(0.011)				1.49	0.52	
	(h)				0.0018	0.032	0.006			0.040	3.03	0.73	0.013			0.0005	0.91	0.30	0.0004
	(i)				0.0076				0.009	0.06	0.83	0.79					0.9	0.434	
	(j)								0.004	0.103	1.29	0.767					1.37	0.248	
	(k)				(0.001)	0.020	(0.01)			0.027	3.45	0.70	0.015				1.05	0.43	
	(l)										1.43	0.347					1.27	0.140	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.03x	<0.0010	<0.0030	<0.0010	<0.0010	1.5x	<0.0010	<0.0010	0.03x	0.01x	0.10x	<0.0030					
	(b)							1.72			0.15								
	(c)		0.032		0.036			4.83	0.032		0.068	0.015	0.16	0.018					
	(d)		0.5	<0.0010	0.10x	<0.0010	<0.0010	9.2x	0.10x	0.02x	0.14x	0.02x	0.25	<0.0030					
	(e)		1.50		0.0204	0.0092		9.22	0.0200		0.197		0.022						
	(f)		1.52		0.0208	0.0090		9.24	0.0210		0.195		0.023						
	(g)		0.41		0.111			9.36	0.11		0.12	0.011	0.64						
	(h)		0.89		0.036			10.02	0.031		0.11	0.015	0.035						
	(i)		0.96		0.051			10.2	0.092		0.153		0.42	(0.004)					
	(j)		1.15		0.083			10.42	0.145		0.166		0.53						
	(k)		0.028		0.033			10.70	0.028		0.017	0.012	0.93						
	(l)		0.81		0.0578	0.0171		10.73	0.0579		0.105		0.061						

AlCu-alloys

VAW-3203-2	(a)	RM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALPEC-01002	(b)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALSUI-436/02	(c)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALSUI-433/03	(d)	CRM	AlSi,AlSiCu, Ø 60x25 mm																disc
VAW-3200-2	(e)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCAN-X332.0AC	(f)	CRM	ALC-X332.0-AC																disc
VAW-3204-2	(g)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
MBH-55X G26H5 E	(h)	CRM	Al/Si/Cu Alloy, Ø 50x20 mm																disc
VAW-3208-2	(i)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
ALCOA-SS4032	(j)	CRM	Aluminium sample, Ø 64x25 mm																disc
ALCOA-SS336	(k)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALCAN-B162AG	(l)	CRM	Al, divers, Ø 57x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				<0.0004			0.005			0.009	1.3	0.098				1.08	0.189	
	(b)				0-0.0002						0.062	4.33	0.076				1.66	0.305	
	(c)							0,0022-0,0027	0.0016	0.0015	0.0113	1.11	0.575		0.0027		1.07	0.24	0.0003
	(d)							0.0057			0.048	1.52	0.296				1.3	0.146	0,0052-0,0060
	(e)				<0.0004			0.0028			0.003	1.06	0.52				0.81	0.087	
	(f)					0.0011	0.005	0.0039	0.0013	0.0021	0.030	3.28	0.20	0.021		0.0032	1.29	0.032	0.0062
	(g)				<0.0004			0.0023			0.005	1.5	0.465				1.19	0.098	
	(h)						0.0201			0.015	0.0394	1.4	0.199				1.41	0.495	
	(i)				<0.0002		0.0039	0.021			0.0063	1.3	0.64				1.14	0.14	
	(j)										0.05	0.9	0.25				1.1	0.02	
	(k)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	1.0x	0.65	0.65	0.015	<0.0010	<0.0010	1.2x	0.06x	<0.0010
	(l)					0.030					0.033	2.56	0.40	0.016			1.07	0.08	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		1.09	0.0006	0.0025	<0.0004		10.8	0.001		0.058		0.084						
	(b)		0.203		0.0517	0.0403		10.94	0.0242		0.2301	0.125	0.2999	0.239					
	(c)		0.779		0.101	0.0022		11.05	0.0077	0,0021-0,0028	0.079	0.0155	0.484	0.0301					
	(d)		1.06	0.0009	0.02	0.0037		11.27	0.0099	0.05	0.044	0.0143	0.199	0.0197					
	(e)		1.18	0.0007	0.0044	<0.0003		11.32	<0.002		0.037		0.069						
	(f)		0.031	0.0031	0.028	0.0030		11.33	0.020	0.0030	0.25	0.019	0.067	0.0030					
	(g)		0.92	0.0006	0.0031	<0.0002		11.35	0.0009		0.014		0.12						
	(h)		1.13		0.0108			11.38	0.035		0.018	0.0169	0.008						
	(i)		1.21	0.0036	0.11	0.016		11.53	0.044		0.15		0.16						
	(j)		0.9					11.7		0.03	0.02		0.1						
	(k)	2.5x		0.003x	<0.0030	0.001x	<0.0010	12	<0.0030	0.02x	0.04x	0.01x	0.05x	<0.0030					
	(l)	0.68			0.031			12.04	0.027		0.054	0.012	0.044						

ALCAN-462A1AA	(a)	CRM	AlSi, AlSiCu, Ø 57x25 mm															disc
VAW-3202-3	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm															disc
VAW-3205-2	(c)	CRM	AlSi, AlSiCu, Ø 60x20 mm															disc
ALCAN-339.0CAB	(d)	CRM	Rio Tinto Alcan CRM for Alloy AA339.0, 57mm x 25mm, ~170g															disc
ALCAN-339.0AD	(e)	CRM	Al, divers, Ø 57x25 mm															disc
SEI-NKAC8A-NDC4	(f)	CRM	Aluminium Alloy: type AC8A, Ø 55x25 mm															disc
VAW-3201-2	(g)	CRM	AlSi, AlSiCu, Ø 60x20 mm															disc
ALPEC-9530	(h)	CRM	AlSi, AlSiCu, Ø 55x30 mm															disc
VAW-3380-2	(i)	CRM	AlSi, AlSiCu, Ø 60x20 mm															disc
ALPEC-9531	(j)	CRM	AlSi, AlSiCu, Ø 55x30 mm															disc
MBH-55X G28J1 Z	(k)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm															disc
MBH-55X G28J2 T	(l)	CRM	Al/Si/Cu alloy, Ø50x20mm															disc
		Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni
	(a)			0.0011	0.009	0.0049	0.0012		0.028	3.86	0.15	0.018		0.0029	1.050	0.025	0.0053	1.07
	(b)		<0.0005			0.0024	0.001	0.0004	0.0045	0.96	0.61	0.028	0.0062	0.0005	0.94	0.072	0.0002	0.97
	(c)	0.0013				0.0055	<0.0002		0.0056	1.13	0.35				1.35	0.23		1.14
	(d)			<0.0001	0.0001	0.0004		0.0014	0.0004	(1.40)	(0.50)	0.0010		<0.0001	(1.17)	(0.27)	0.0011	(1.10)
	(e)			0.0013	0.04	0.0020			0.051	1.40	0.48	0.031		0.0009	1.23	0.37	0.0025	1.12
	(f)			0.0011	0.0045	0.018	0.0048	0.0029	0.117	1.24	0.302	0.01			1.55	0.104	0.004	2.32
	(g)		<0.0004			0.0021			0.01	0.83	0.33				1.3	0.033		0.78
	(h)									0.98	0.724				0.86	0.006		1.04
	(i)		<0.0002		<0.0002	0.0065			0.0031	1.08	0.81	0.01		<0.0002	1.22	0.23	0.0005	1.24
	(j)									0.97	0.722				0.84	0.006		1.01
	(k)							0.119	0.319	1.82	0.678				1.26	0.024		2.47
	(l)			(0.0002)			0.0023	0.0029	0.088	1.44	0.516				0.902	0.231		1.63
		P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)	0.0042N	0.0091	0.0023	12.12	0.013	0.0027	0.17	0.020	0.03	0.0035							
	(b)	0.0014	0.0023	<0.0005	12.15	0.0007	0.0018	0.022	0.0056	0.12	0.0044							
	(c)	0.0006	0.0028	<0.0002	12.17	0.0014	0.0019	0.02										
	(d)	0.0003	0.0001	0.0003	(12.50)	0.0001	0.0001	0.0007	0.0008	0.0005	0.0009							
	(e)	0.0061	0.046	0.0010	12.73	0.046	0.0021	0.048	0.032	0.099	0.0029							
	(f)	0.0044	0.0057	0.0009	12.92	0.0055	0.0099	0.098	0.018	0.1	0.012							
	(g)	0.0006	0.0094	<0.0003	12.93	0.0045		0.014		0.23								
	(h)		0.0080	0.0030	13.31	0.0079		0.007		0.240								
	(i)	0.0019	0.0029	<0.0002	13.62	0.0013	0.0001	0.091	0.0077	0.092	0.0018							
	(j)		0.0080	0.0029	13.63	0.0077		0.007		0.238								
	(k)	(0.0048)	0.0038		14.33	0.182		0.104	0.0095	0.258								
	(l)		0.058	0.03	15.04	0.136		0.065	0.0221	0.292								

AlCu-alloys

VAW-3381-3	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3386-1	(b)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
VAW-3383-2	(c)	CRM	AlSi, AlSiCu, Ø 60x20 mm																	disc
MBH-55X G28J3 U	(d)	RM	Al/Si/Cu Alloy, Ø 40x13 mm																	disc
ALCAN-6166CAB	(e)	CRM	ALC-6166-CAB																	disc
MBH-518X 429 A	(f)	CRM	Pressed Powder Alloys, HIP, 65x25 mm																	disc
			B	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	Sb	
	(a)		<0.0002		0.0092	<0.0002	0.0019	0.01	1.22	0.5	0.0092		0.98	0.22		1.11		0.01		
	(b)		<0.0003	0.0004	0.0044			0.0037	1.26	0.53	0.01	<0.0001	1.02	0.23	<0.0001	1.11	0.0033	0.0031	<0.0002	
	(c)		<0.0003	<0.0002	0.0023			0.001	1.76	0.22	0.0081	<0.0001	1.65	0.34	<0.0002	1.58	0.0052	0.0008	<0.0002	
	(d)							0.09	1.45	0.43			1.3	0.33		1.47		0.07		
	(e)				(0.004)			(0.40)	(1.35)	0.11			(1.00)			(1.0)				
	(f)		(0.002)		0.02		2.22	0.0034	1.023	0.201			1.25	0.0165		0.014	(0.004)	0.002		
			Si	Sn	Sr	Ti	V	Zn	Zr											
	(a)		15.8	0.0048	0.0033	0.16	0.0044	0.17	0.0039											
	(b)		16.6	0.0015	0.0012	0.087	0.0082	0.12	0.0024											
	(c)		16.7	<0.0005	<0.0002	0.012	0.0042	0.016	0.0016											
	(d)		21.6	0.11		0.07		0.3												
	(e)		(24.50)			0.013														
	(f)		28.9		0.0006	0.0163	0.009	0.0042												

AlCu-alloys

Code	Product																		Unit
ALCAN-6111AA	(a)	CRM	Al-Leg, Ø 57x25 mm																disc
ALCAN-8081-CAB	(b)	CRM	Al, divers, 57x25 mm																Each
ALPEC-3977/2	(c)	CRM	AlCuMg, Ø 56 x 30 mm																disc
ALSUI-221/02	(d)	CRM	AlCu, Ø 60x25 mm																disc
ALCAN-16SAQ	(e)	CRM	ALC-16S-AQ																disc
ALCAN-16SAR	(f)	CRM	AlCu, Ø 57x25 mm																disc
ALSUI-222/01	(g)	CRM	AlCu, Ø 60x25 mm																disc
ALCOA-ST2-2000	(h)	CRM	ASM-ST2-2000																disc
ALCAN-16SAN	(i)	CRM	AlCu, Ø 57x25 mm																disc
ALCOA-SS2117	(j)	CRM	AlCu, Ø 64x25 mm																disc
VAW-3042-4	(k)	CRM	AlSi, AlSiCu, ø60x20 mm																disc
			Ag	Al	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn
	(a)					0.0036	0.015	0.0049i				0.014	0.96	0.18	0.028		0.0034i	0.46	0.17
	(b)						(0.001)	<0.0001					(0.97)	(0.40)	(0.001)		<0.0001	0.001	(0.005)
	(c)											(0.01)	(1)	(0.11)				(0.92)	(0.02)
	(d)											0.03	1.37	0.21				0.41	0.2
	(e)					0.0010	0.028					0.028	2.37	0.29	0.018		0.0005	0.49	0.25
	(f)						0.03	0.0087i				0.038	2.50	0.38	0.017			0.30	0.032
	(g)											0.02	2.51	0.31				0.64	0.42
	(h)	<0.0010			<0.0005	0.0005	0.001x		0.001x	0.001x	0.05x	2.5x	0.45	0.02x				0.5	0.5
	(i)						0.040				0.032	2.56	0.37	0.010				0.32	0.052
	(j)	<0.0010		<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.03x	2.6x	0.4	0.02	<0.0005	<0.0005	0.3	0.05x	
	(k)		(88.9)		<0.0003		0.004	0.0054	0.00049	<0.0004	0.142	3	0.932	0.0164	0.00212	<0.0002	0.742	0.529	
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)		0.0034i	0.020	0.007	0.016	0.004		0.73	0.016	0.0030i	0.032	0.028	0.015	0.017				
	(b)		<0.0001	(0.003)		(0.08)			(0.003)	(19.5)		(0.002)	(0.001)	(0.02)					
	(c)			(0.01)		(0.05)			(0.07)			(0.01)		(0.02)					
	(d)			0.03					0.15			0.058		0.0095					
	(e)			0.029		0.029			0.26	0.032		0.03	0.015	0.05	0.03				
	(f)	0.0043i	0.011		(0.037)				0.35	0.041		0.003	0.005	0.043					
	(g)		0.025						0.4			0.024		0.03					
	(h)		0.01x		0.003x	0.001x			0.5	0.001x	0.001x	0.03x	0.01x	0.15x	0.001x				
	(i)		0.041		0.042				0.37	0.041		0.044	0.007	0.054					
	(j)	<0.0005	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	0.5	<0.0010	<0.0010	0.02x	0.01x	0.05x	<0.0030					
	(k)	<0.0002	0.4		0.169	<0.001		3.62	0.177	0.0567	0.153	0.0195	1.099	0.00538					

ALSUI-241/01	(a)	CRM	AlCu, Ø 60x25 mm																disc
ALCOA-WA2017	(b)	CRM	AlCu, Ø 64x25 mm																disc
ALPEC-268	(c)	CRM	AlCu, Ø 55x30 mm																disc
ALSUI-252C/01	(d)	CRM	AlCu, Ø 60x26 mm																disc
ALPEC-960	(e)	CRM	AlCuMg, Ø 55 x 31 mm																disc
VAW-4504	(f)	RM	AlCu, Ø 60x20 mm																disc
ALCOA-SS2017	(g)	CRM	AlCu, Ø 64x25 mm																disc
SEI-NK17S-NDC2	(h)	CRM	AlCu: type 17S, Ø 55x25 mm																disc
VAW-4004-1	(i)	RM	AlCu, Ø 60x20 mm																disc
ALSUI-242/01	(j)	CRM	AlCu, Ø 60x25 mm																disc
ALCAN-2017CAB	(k)	CRM	ALC-2017-CAB																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)										0.01	3.38	0.1				0.1	0.1	
	(b)										0.02x	3.5x	0.65	0.02x			0.75	0.4	
	(c)					0.0021					0.0099	3.65	0.0030				0.3980	0.0003	
	(d)										0.0316	3.75	0.2817				0.529	0.784	0-0,0001
	(e)					0.0022					0.0630	3.76	0.3200				0.800	0.506	
	(f)										0.0005	3.85	0.083				0.3	0.05	
	(g)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.05x	4.0x	0.45	0.02x	<0.0005	<0.0005	0.6	0.6	<0.0005
	(h)										0.022	4.05	0.567				0.374	0.703	
	(i)					0.0004					0.002	4.1	0.25				0.94	0.34	
	(j)										0.032	4.13	0.13				0.25	0.031	
	(k)					0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.0001	(4.21)	(0.41)	<0.0001	<0.0001	(0.78)	(0.72)	<0.0001
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)							0.075			0.11		0.012						
	(b)		0.06x					0.75			0.05x	0.01x	0.03x						
	(c)		0.0495		0.0488			0.0050	0.0490		0.2310	0.0008	0.0010	0-0.0005					
	(d)		0.0692		0.0078			0.882	0.0489		0.0099		0.1254	0.0283					
	(e)		0.0310		0.0286			0.586	0.0248		0.0374		0.0892	0.0312					
	(f)		0.001		0.001			0.13	<0.001		0.053		0.012						
	(g)		0.03x	<0.0010	<0.0030	<0.0010	<0.0010	0.6	<0.0010	<0.0010	0.03x	0.01x	0.07x	<0.0030					
	(h)							0.597			0.014		0.057						
	(i)		0.002		0.002			0.11			0.012		0.07	0.2					
	(j)		0.011					0.1			0.2		0.031						
	(k)		<0.0001	0.0001	0.0001	<0.0001		(0.51)	<0.0001	<0.0001	0.0001	<0.0001	0.0001	0.0001					

ALCAN-2017AC	(a)	CRM	AlCu, Ø 57x25 mm																	disc
ALSUI-232/02	(b)	CRM	AlCu, Ø 60x25 mm																	disc
ALCAN-2007CAB	(c)	CRM	Rio Tinto Alcan AlCu, Ø 57x25 mm																	disc
ALSUI-212/02	(d)	CRM	AlCu, Ø 60x25 mm																	disc
MBH-56X G2014 A	(e)	CRM	Al/Cu alloy, Ø50x20mm																	disc
SEI-NKAC1A-NDC1	(f)	CRM	AlSiCu: type AC1A, Ø 55x25 mm																	disc
VAW-4503-2	(g)	RM	AlCu, Ø 60x20 mm																	disc
ALCAN-225AH	(h)	CRM	AlCu, Ø 57x25 mm																	disc
VAW-4502	(i)	RM	AlCu, Ø 60x20 mm																	disc
MBH-56X A201.1 A	(j)	CRM	Al/Cu/Ag Alloy, Ø 50x20 mm																	disc
ALCAN-220AB	(k)	CRM	Al, Ø ca. 64x38 mm																	disc
ALCOA-SS295	(l)	CRM	AlCu, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.0012	0.019	0.0025i	0.0013		0.017	4.24	0.41	0.020		0.0025i	0.75	0.63	0.0019i	
	(b)										0.08	4.28	0.501				0.9	0.81		
	(c)				<0.0001	<0.0001	0.0003	<0.0001	<0.0001	0.0002	0.0002	(4.30)	(0.45)	<0.0001		<0.0001	(0.55)	(0.65)	<0.0001	
	(d)	0.448							0.0009		0.0055	4.40	0.088				0.169	0.153		
	(e)						0.0013				0.0766	4.41	0.243				0.453	0.572		
	(f)										0.0017	4.42	0.321				0.069	0.099		
	(g)										0.031	4.47	0.17				0.15	0.074		
	(h)						0.033				0.031	4.48	0.39	0.020			0.020	0.057		
	(i)										0.001	4.49	0.31				0.061	0.22		
	(j)	0.494									0.0029	4.49	0.089				0.198	0.31		
	(k)											4.50	0.048				0.011	0.005		
	(l)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	4.5x	0.7	0.015	<0.0010	<0.0010	0.05x	0.12x	<0.0010		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)	0.034	0.0031i	0.015	0.0032i			0.57	0.015	0.0028i	0.018	0.022	0.015	0.0026						
	(b)	0.02		0.9				0.395			0.031		0.102							
	(c)	0.0005	0.0001	(1.1)	0.01			(0.45)	0.006	0.0001	0.0001	0.0002	<0.0001	0.0003						
	(d)	0.0084		0.0027				0.064	0.0020		0.265	0.0079	0.0095	0.0025						
	(e)	0.007		0.011				0.611	(0.0047)		0.0244		0.195	0.135						
	(f)	0.101		<0.0005				0.322	<0.0005		0.093	0.0005	0.013							
	(g)	0.003		0.003					0.001		0.15		0.074							
	(h)	0.032		0.030				0.85	0.033		0.17	0.015	0.032							
	(i)	0.0015		0.004				0.08	0.004		0.012		0.13	0.0015						
	(j)	0.0066		0.002				0.193	(0.0023)		0.132		0.0113							
	(k)							0.012			0.009		0.016	0.088						
	(l)	0.05x	<0.0010	<0.0030	<0.0010	<0.0010	0.9	0.003x	<0.0010	0.12x	0.01x	0.10x	<0.0030							

ALCAN-2014CAC	(a)	CRM	ALC-2014-CAC																disc
VAW-4201	(b)	RM	AlCu4PbMg, Ø 60x20 mm																disc
ALCAN-2014AD	(c)	CRM	AlCu, Ø 57x25 mm																disc
ALSUI-224/01	(d)	CRM	AlCu, Ø 60x25 mm																disc
ALCOA-SS206	(e)	CRM	AlCu, Ø 64x25 mm																disc
ALCOA-SS2025	(f)	CRM	AlCu, Ø 64x25 mm																disc
ALCAN-2014AE	(g)	CRM	Rio Tinto Alcan CRM for Alloy AA2014, 57mm x 25mm, ~170g																disc
ALCAN-B206AA	(h)	CRM	ALC-B206-AA																disc
ALSUI-243/01	(i)	CRM	AlCu, Ø 60x25 mm																disc
ALPEC-266	(j)	CRM	AlCu, Ø 55x30 mm																disc
ALCAN-226AD	(k)	CRM	AlCu, Ø 57x25 mm																disc
ALCOA-WA2011	(l)	CRM	AlCu, Ø 64x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(4.56)	(0.48)	0.0001		<0.0001	(0.43)	(0.90)	<0.0001
	(b)						0.053				0.002	4.57	0.5				0.38	0.22	
	(c)					0.0014	0.025	0.0025i	0.0014		0.018	4.58	0.46	0.026		0.0018i	0.45	0.81	0.0020i
	(d)					0.005	0.016		0.018		0.08	4.6	0.25				0.57	0.9	
	(e)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.01x	4.6x	0.08x	0.02x	<0.0010	<0.0010	0.28	0.35	<0.0010	
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.04x	4.6x	0.55	0.015	<0.0005	<0.0005	0.05x	0.8	<0.0005	
	(g)					0.0010	0.007	0.0027	0.0012i		0.065	4.67	0.56	0.018		0.0022i	0.69	0.92	0.0026i
	(h)					0.0008	0.009	0.0037i	0.0011		0.028	4.68	0.16	0.017		0.0030i	0.30i	0.43	0.0033i
	(i)										0.05	4.8	0.22				0.39	0.051	
	(j)									0.0030		4.88	0.5240				0.185	0.395	
	(k)						0.044			0.047		4.88	0.19				0.039	0.045	
	(l)						0.6			0.06x		4.9x	0.7	0.02x			0.02x	0.06x	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.0001	0.0003	0.0002	0.0002		(0.90)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001					
	(b)				0.87			0.15	0.3		0.008		0.6	0.003					
	(c)		0.028	0.0038i	0.023	0.0040		0.88	0.037	0.0024i	0.030	0.031	0.029	0.0035					
	(d)		0.011		0.02			0.76			0.052		0.055	0.15					
	(e)		0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.06x	0.02x	<0.0010	0.20x	0.01x	0.03x	<0.0030					
	(f)		0.04x	<0.0010	<0.0030	<0.0010	<0.0010	0.8	<0.0010	<0.0010	0.03x	0.01x	0.10x	<0.0030					
	(g)		0.029	0.003	0.0074	0.0028		0.90	0.019	0.0026	0.120	0.022	0.11	0.0030					
	(h)		0.029	0.0030	0.011	0.0038		0.078	0.020	0.0037i	0.22	0.020	0.029	0.0030					
	(i)		0.032					0.17			0.25		0.08						
	(j)		0.0032																

AlCu-alloys

ALCAN-2011AC	(a)	CRM	AlCu, Ø 57x25 mm																disc
ALSUI-244/01	(b)	CRM	AlCu, Ø 60x25 mm																disc
ALSUI-236/01	(c)	CRM	AlCu, Ø 60x25 mm																disc
ALCAN-220AE	(d)	CRM	Al, Ø ca. 64x38 mm																disc
ALCAN-220AA	(e)	CRM	ALC-220-AA																disc
ALCAN-2011CAB	(f)	CRM	ALC-2011-CAB																disc
ALCOA-WB2011	(g)	CRM	AlCu, Ø 64x25 mm																disc
ALPEC-289	(h)	CRM	AlCu, Ø 55x30 mm																disc
ALCAN-6012AF	(i)	CRM	AlCu, Ø 57x25 mm																disc
ALSUI-245/01	(j)	CRM	AlCu, Ø 60x25 mm																disc
ALCOA-SS2219	(k)	CRM	AlCu, Ø 64x25 mm																disc
VAW-3361	(l)	RM	AlCu, Ø 60x20 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					0.0004	0.49	0.0009i	0.0011		0.019	5.62	0.26	0.020		0.0007i	0.015	0.023	0.0005i
	(b)										0.05	5.78	0.3				0.45	0.19	
	(c)						0.48		0.0048		0.022	5.79	0.203	0.0089			0.051	0.052	
	(d)											5.94	0.087				0.24	0.027	
	(e)											5.94	0.16				0.23	0.049	
	(f)					<0.0001	(0.45)	<0.0001	<0.0001	0.0001	<0.0001	(6.0)	(0.30)	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001
	(g)						0.4				0.02x	6.0x	0.25	0.02x			0.06x	0.02x	
	(h)					0.00007					0.0325	6.05	0.3080				0.0475	0.3730	
	(i)						0.038				0.047	6.05	0.21	0.016			0.020	0.28	
	(j)										0.022	6.2	0.22				0.315	0.31	
	(k)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.01x	6.3x	0.20x	0.015	<0.0005	<0.0005	0.02x	0.28	<0.0005
	(l)							0.0002			<0.001	6.37	0.47				0.09	0.35	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.024	0.002	0.53	0.0029		0.12	0.019	0.0009i	0.017	0.017	0.047	0.0027					
	(b)		0.1					0.25			0.166		0.044						
	(c)		0.022		0.58			0.206	0.051		0.026	0.012	0.054	0.01					
	(d)							0.13			0.032		0.049	0.38					
	(e)							0.14			0.021		0.035	0.39					
	(f)		0.0003	<0.0001	(0.60)	0.0010		(0.13)	0.0035	<0.0001	<0.0001	<0.0001	0.0005	<0.0001					
	(g)		0.06x		0.6			0.4			<0.0050	0.01x	0.05x						
	(h)		0.0028		0.0006			0.1950	0.0019		0.1005	0.0850	0.0890	0.1005					
	(i)		0.045		0.037			0.13	0.040		0.14	0.010	0.049						
	(j)		0.02					0.15			0.11		0.05						
	(k)		0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.06x	0.12x	0.03x	0.16x					
	(l)		0.002	0.002				0.56			0.003		0.65						

ALCAN-2219CAB	(a)	CRM	ALC-2219-CAB																disc
ALCAN-2219AC	(b)	CRM	AlCu, Ø 57x25 mm																disc
ALSUI-246/01	(c)	CRM	AlCu, Ø 60x25 mm																disc
ALCAN-220AF	(d)	CRM	Al, Ø ca. 64x38 mm																disc
VAW-3360	(e)	RM	AlCu, Ø 60x20 mm																disc
ALCAN-5000CAB	(f)	CRM	Alcan CRM for Alloy AA5000, 57mm x 25mm																disc
ALPEC-10687	(g)	CRM	AlCu, Mushroom (Ø 54x5 mm)																disc
ALCAN-5001BI	(h)	CRM	AlCu, Ø 57x25 mm																disc
ALCAN-5001CBG	(i)	CRM	Rio Tinto Alcan CRM for Alloy AA5001, 57mm x 25mm																disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	(6.53)	(0.18)	0.0001	<0.0001	0.0001	(0.29)	<0.0001	0.0002	0.0001	<0.0001
	(b)			0.0011	0.0067	0.0011i	0.0020		0.013	6.70	0.21	0.015	0.0012i	0.013	0.24	0.0012i	0.016	0.0021	0.0087
	(c)								0.02	6.7	0.312			0.024	0.35		0.02		
	(d)									6.95	0.26			0.32	0.060				
	(e)					0.0001			<0.001	7.12	0.59			0.09	0.5		0.002	0.002	
	(f)				<0.001				<0.001	(10.0)		(0.002)		(0.001)	<0.001		<0.001		(0.002)
	(g)									11.6	0.20			0.003	0.990		0.015		0-0.001
	(h)			0.0012	0.052	0.0018	0.0013		0.049	19.5	0.30	0.020	0.0020i	0.053	0.050	0.0011i	0.052	0.0039i	0.048
	(i)				<0.001				(0.001)	(20.0)	(0.02)	(0.002)		(0.002)	(0.001)		(0.003)		(0.002)
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		0.0001	(0.15)	<0.0001	<0.0001	0.0003	0.0001	0.0005	(0.14)									
	(b)		0.0029	0.15	0.017	0.0018i	0.050	0.092	0.088	0.13									
	(c)			0.145			0.12	0.095	0.1	0.21									
	(d)			0.24			0.050		0.066	0.48									
	(e)			0.33			0.003		0.5										
	(f)			(0.001)	<0.001		<0.001	(0.002)	(0.003)										
	(g)			0.10	0.110		0.205		0.104										
	(h)		0.0040	0.36	0.047	0.0027i	0.049	0.025	0.045	0.0030									
	(i)				(0.002)		(0.001)	(0.002)	<0.001										

AlCu as Sets - individuals available

NCS HS49733-1	(a)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49733-2	(b)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49733-3	(c)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49733-4	(d)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49733-5	(e)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49708A-1	(f)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49708A-2	(g)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49708A-3	(h)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49708A-4	(i)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49708A-5	(j)	CRM	Aluminium alloy, Ø62x30mm	disc
NCS HS49711-1	(k)	CRM	Aluminium alloy, LY11 (GBW E111), Ø62x30mm	disc
NCS HS49711-2	(l)	CRM	Aluminium alloy, LY11 (GBW E112), Ø62x30mm	disc
NCS HS49711-3A	(m)	CRM	Aluminium alloy, LY11 (GBW E113a), Ø62x30mm	disc
NCS HS49711-4	(n)	CRM	Aluminium alloy, LY11 (GBW E114), Ø62x30mm	disc
NCS HS49711-5A	(o)	CRM	Aluminium alloy, LY11 (GBW E115a), Ø62x30mm	disc
NCS HS49711-6A	(p)	CRM	Aluminium alloy, LY11 (GBW E116a), Ø62x30mm	disc

	Cr	Cu	Fe	Mg	Mn	Ni	Si	Ti	V	Zn	Zr
(a)		4.76	0.455	0.002	0.476	0.0038	0.358	0.0037	0.027	(0.007)	0.038
(b)		5.53	0.38	0.021	0.387	0.017	0.257	0.071	0.061	0.049	0.103
(c)		6.21	0.302	0.04	0.318	0.041	0.198	0.16	0.175	0.105	0.157
(d)		6.64	0.199	0.062	0.161	0.069	0.159	0.123	0.116	0.157	0.236
(e)		6.97	0.105	0.126	0.09	0.09	0.106	(0.154)	0.17	0.189	0.197
(f)		2.14	0.69	2.15	0.341	0.111	0.448	0.088		0.054	
(g)		3.25	0.453	0.737	1	0.021	0.525	0.017		0.134	
(h)		4.11	0.35	1.51	0.532	0.037	0.127	0.039		0.147	
(i)		5.82	0.213	0.95	0.24	0.057	0.23	0.181		0.32	
(j)		1.21	0.772	2.64	0.084	0.21	0.103	0.013		0.712	
(k)	0.092	1.88	0.825	0.692	1.24	0.161	1.25	(0.121)		0.401	(0.191)
(l)	0.223	2.89	0.657	0.298	0.932	0.113	0.893	(0.169)		0.343	(0.25)
(m)	0.157	4.03	0.427	0.481	0.561	0.045	0.552	0.047		0.236	0.137
(n)	0.193	5.47	0.188	(0.108)	0.241	0.089	0.236	0.078		0.125	0.048
(o)	0.272	0.645	1.01	0.912	1.5	0.21	1.57	0.202		0.054	(0.0058)
(p)	0.0099	6.57	0.12	0.03	0.073	0.0084	0.092	0.018		0.539	0.301

NCS HS49705-1	(a)	CRM	Aluminium alloy, ø62x30mm							disc
NCS HS49705-2	(b)	CRM	Aluminium alloy, ø62x30mm							disc
NCS HS49705-3	(c)	CRM	Aluminium alloy, ø62x30mm							disc
NCS HS49705-4	(d)	CRM	Aluminium alloy, ø62x30mm							disc
NCS HS49705-5	(e)	CRM	Aluminium alloy, ø62x30mm							disc
NCS HS49705-6	(f)	CRM	Aluminium alloy, ø62x30mm							disc

	Cu	Fe	Mg	Mn	Ni	Si	Ti	Zn
(a)	4.51	0.454	0.428	0.095	1.55	0.904	0.021	0.14
(b)	2.51	1.21	1.37	0.138	1.12	0.657	0.088	0.238
(c)	1.51	0.908	0.897	0.239	2.02	1.22	0.12	0.334
(d)	3.33	1.61	1.8	0.184	0.624	0.371	0.055	0.166
(e)	0.927	1.87	2.26	0.287	0.153	1.53	0.161	0.367
(f)	5.55	0.115	0.074	0.054	2.25	0.09	0.00095	0.084

AlCu only as Set

NCS HS50704-1	(a)	CRM	Aluminium Z L D202 (only available as set of 5)							disc
NCS HS50704-2	(b)	CRM	Aluminium Z L D202 (only available as set of 5)							disc
NCS HS50704-3	(c)	CRM	Aluminium Z L D202 (only available as set of 5)							disc
NCS HS50704-4	(d)	CRM	Aluminium Z L D202 (only available as set of 5)							disc
NCS HS50704-5	(e)	CRM	Aluminium Z L D202 (only available as set of 5)							disc
NCS HS50710-1	(f)	CRM	Aluminium Z L D203 (only available as set of 6)							disc
NCS HS50710-2	(g)	CRM	Aluminium Z L D203 (only available as set of 6)							disc
NCS HS50710-3	(h)	CRM	Aluminium Z L D203 (only available as set of 6)							disc
NCS HS50710-4	(i)	CRM	Aluminium Z L D203 (only available as set of 6)							disc
NCS HS50710-5	(j)	CRM	Aluminium Z L D203 (only available as set of 6)							disc
NCS HS50710-6	(k)	CRM	Aluminium Z L D203 (only available as set of 6)							disc

	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Zn
(a)	10	0.15		1.21	1.27		0.37		0.49
(b)	10	0.49		0.51	0.38		0.26		1.7
(c)	10	0.99		0.21	0.78		1		0.17
(d)	10	0.29		0.77	0.15		1.7		0.28
(e)	10	1.38		0.33	0.24		0.67		0.91
(f)	4.47		0.017	0.052		0.02	2.05	0.006	0.07
(g)	4.47	0.37	0.096	0.15		0.025	1.44	0.022	0.091
(h)	4.5	0.31	0.018	0.084		0.043	0.86	0.014	0.3
(i)	4.48	0.56	0.035	0.25		0.072	0.49	0.012	0.16
(j)	4.45	0.81	0.068	0.13		0.13	0.34		0.3
(k)	4.56	0.27	0.062	0.19		0.028	1.32	0.0095	0.14

AlSiCuZn-alloys

Code	Product																		Unit
ALPEC-10780	(a)	CRM	AlSiCuFe, Mushroom (Ø 54x5 mm)																disc
MBH-57X ALCU28 A	(b)	RM	Al/Cu/Si alloy, Ø50x20mm																disc
ALCAN-6252CAC	(c)	CRM	ALC-6252-CAC																disc
MBH-57X ALCU25 A	(d)	RM	Al/Cu/Si alloy, Ø50x20mm																disc
ALCAN-A333.0CAC	(e)	CRM	ALC-A333.0-CAC																disc
ALCAN-A333.0CAH	(f)	CRM	ALC-A333.0-CAH																disc
			As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	In	Mg	Mn	Mo	Na	Ni
	(a)										9.0	1.13			0.300	0.034			0.0030
	(b)										27.78	0.22			0.0020	0.0032			0.0030
	(c)				<0.001					<0.001	(3.0)	(0.02)	(0.001)		(0.30)	(0.60)			<0.001
	(d)										25.6	0.4			0.001	0.005			0.001
	(e)		0.0002	<0,0001	<0,0001	0.003	<0,0001	0.0006	<0,0001	0.0011	(3.43)	(0.65)		<0,0001	0.0008	(0.33)	<0,0001	0.001	0.0008
	(f)		0.0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	(3.55)	(1)		<0,0001	0.0003	(0.37)	<0,0001	0.0005	0.0001
			P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)			0.003		3.9	0.29		0.030		3.88								
	(b)					5.44	0.0023				5.42								
	(c)			<0.001		(5.5)	<0.001		(0.003)	(0.004)	(3.5)								
	(d)					5.8	0.02				5.9								
	(e)		0.0002	<0,0001	<0,0001	(8.79)	<0,0001	0.0080		0.0007	(2.3)	<0,0001							
	(f)		0.0001	0.0028	<0.0001	(9.64)	<0.0001	<0.0001		<0.0001	(2.56)	<0.0001							

AlCuFe-alloys

Code	Product																		Unit
MBH-55X G02D5 A	(a)	CRM	Al/Si/Cu Alloy, Ø 50x15 mm																disc
ALCAN-71SAR	(b)	CRM	Rio Tinto Alcan , AA8112																disc
ALPEC-9536	(c)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALPEC-9534	(d)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALPEC-954	(e)	CRM	AlSi, Ø55x4mm																disc
MBH-55X G26H3 F	(f)	RM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
ALCOA-SS2618	(g)	CRM	AlCu, Ø 64x25 mm																disc
ALCAN-6495AA	(h)	CRM	AlSi, AlSiCu, Ø 57x25 mm																disc
ALCAN-2618CAB	(i)	CRM	ALC-2618-CAB																disc
MBH-518X 905 A	(j)	CRM	Pressed Powder Alloys, HIP, 45x40 mm																disc
ALCAN-2618AC	(k)	CRM	Al, divers, Ø 57x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Mo
	(a)					0.0037			0.0182	0.0752	0.76	0.406	0.557				0.331	0.391	
	(b)						0.037				0.0430	0.55	0.50				0.39	0.21	
	(c)										0.0122	0.98	1.238				0.129	0.039	
	(d)										0.0108	0.98	1.204				0.126	0.038	
	(e)											1.37	1.20				0.66	0.152	
	(f)								0.076	0.13		2.19	1.07	0.011		0.006	1.01	0.45	
	(g)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	<0.0050		2.2x	1.2x	0.02x	<0.0005	<0.0005	1.6x	0.05x	
	(h)					0.040				0.030		2.36	1.05				1.31	0.53	
	(i)			0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0005	0.0005		(2.44)	(1.13)	0.0007		<0.0001	(1.52)	(0.18)	
	(j)						(0.0007)		0.0033	0.009		2.51	2.54				0.645	0.994	0.807
	(k)				0.0010	0.011	0.0035	0.0018	(0.0022)	0.019		2.55	1.12	0.018		0.0030i	1.66	0.18	
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)			0.0652		0.067	0.031		10.03	0.051		0.018	0.0129	0.131					
	(b)			0.05		0.05			0.24	0.048		0.036		0.81					
	(c)			0.1370		0.133	0.0005		11.91	0.075		0.017		0.049					
	(d)			0.1389		0.134	0.0004		11.88	0.076		0.016		0.049					
	(e)			0.153		0.36			8.85	0.260		0.102		0.83					
	(f)			0.51		0.23			9.6	0.16		0.147	0.02	0.79					
	(g)	<0.0005	1.1x	<0.0010	<0.0030	<0.0010	<0.0010	<0.0010	0.20x	<0.0010	<0.0010	0.07x	0.01x	0.05x	<0.0030				
	(h)		0.051		0.032				10.40	0.028		0.10		0.055					
	(i)	<0.0001	(1.43)	0.0001	<0.0001	<0.0001			(0.22)	<0.0001	<0.0001	0.0010	0.0006	0.0005	0.0003				
	(j)		4.98		(0.0006)				0.1	(0.0024)		0.587	0.0186	0.0052	0.77				
	(k)	0.0040i	1.36	0.0021	0.011	0.0027			0.23	0.021	0.0034	0.058	0.019	0.077	0.0027				

AlCuFe-alloys

ALSUI-254/01	(a)	CRM	AlCu, Ø 60x25 mm																disc
ALSUI-445C/01	(b)	CRM	AlSi, AlSiCu, Ø 60x25 mm (#P9538)																disc
ALPEC-245	(c)	CRM	AlCu, Ø 55x30 mm																disc
ALCOA-KA380	(d)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALCOA-SS384	(e)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALCOA-KE380	(f)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
ALCOA-KC380	(g)	CRM	AlSi, AlSiCu, Ø 64x25 mm																disc
MBH-56X G2000J2 C	(h)	RM	Al/Cu Alloy, Ø 50x20 mm																disc
ALSUI-472/02	(i)	CRM	AlSi, Ø 60x25 mm																disc
ALCOA-KA295	(j)	CRM	AlCu, Ø 64x25 mm																disc
BAS-IMI4P5	(k)	CRM	BS 1490: LM 4, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
MBH-56X G2000J5 C	(l)	CRM	Al/Cu Alloy, Ø 40x15 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)										0.053	2.68	1.23				1.62	0.06	
	(b)							0.0018			0.0272	2.97	0.873				0.314	0.213	0.002
	(c)										0.0007	3.00	1.28				1.12	0.0015	
	(d)										0.05x	3.1x	1.1x				0.45	0.15x	
	(e)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.02x	3.5x	1.0x	0.02x	<0.0010	<0.0010	0.10x	0.3	<0.0010	
	(f)									0.02x	3.6x	1.1x					<0.0050	0.20x	
	(g)									0.06x	3.6x	1.2x					0.20x	0.3	
	(h)	0.0446			0.0054	0.078			0.056	0.02	3.73	1.38				0.0112	1.292	0.837	
	(i)						0.007			0.035	4.02	1.43	0.0113				0.344	0.321	
	(j)									<0.0050	4.1x	1.0x					0.01x	0.10x	
	(k)									0.19	4.25	1.03					<0.005	0.14	
	(l)	0.234			0.005	0.136			0.077	0.0078	5.52	0.98				0.009	0.39	0.007	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		1.2					0.25			0.102		0.1						
	(b)		0.336	0.0021	0.0507	0.0018		10.34	0.195		0.107	0.0393	0.29						
	(c)		0.600		0.0485			0.010	0.0490		0.0113		0.1190	0.1425					
	(d)		0.45		0.10x			9.4x	0.20x	0.02x	0.12x		0.15x						
	(e)		0.25	<0.0010	0.12x	<0.0010	<0.0010	11.5	0.12x	0.02x	0.05x	0.01x	0.6	<0.0030					
	(f)		0.03x					9.6x		0.02x	0.03x		<0.0050						
	(g)		0.20x		0.05x			9.0x	0.06x	0.02x	0.07x		0.6						
	(h)		0.149		1.114			0.517	0.092		0.096	0.17	0.711	0.188					
	(i)		0.498	0.0022	0.117			17.7	0.094		0.103	0.057	0.321	0.0192					
	(j)		0.02x		0.02x			0.55	0.004x		0.07x		0.15x						
	(k)		<0.005		<0.005			3.94	<0.005		<0.005		0.61						
	(l)		0.204		0.69			0.321	<0.005		0.063	0.027	0.368	0.064					

MBH-56X G2011 A	(a)	CRM	Al/Cu Alloy, Ø 50x20 mm																	disc
MBH-55X A30J1 H	(b)	CRM	Al/Si/Cu Alloy, Ø 40x13 mm																	disc
ALCAN-236AE	(c)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-S250AB	(d)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCOA-KA222	(e)	CRM	AlCu, Ø 64x25 mm																	disc
ALCOA-SS238	(f)	CRM	AlCu, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)						0.527				0.0031	5.7	0.632				0.0102	0.0183		
	(b)					0.0043	0.015			0.091	0.031	5.75	1.07				1.03	0.132		
	(c)						0.026				0.028	6.94	1.22	0.020			0.06	0.11		
	(d)						0.042				0.027	9.95	0.74				0.27	0.041		
	(e)										<0.0050	10	1.0x				0.3	0.15x		
	(f)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	<0.0050	10.2	1.0x	0.015	<0.0010	<0.0010	0.3	0.20x	<0.0010	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.0044		0.332			0.089	0.0037		0.0121		0.0188							
	(b)		0.014	(0.004)	0.135			14.6	0.006		0.194	0.0114	0.233							
	(c)		0.045		0.023			2.03	0.024		0.12	0.015	0.040							
	(d)		0.04		0.04			4.15	0.038		(0.05)		0.05							
	(e)		0.15x		0.20x			0.75	0.12x		0.10x		0.25							
	(f)		0.20x	<0.0010	<0.0030	<0.0010	<0.0010	4.0x	<0.0010	<0.0010	0.05x	0.01x	0.20x	<0.0030						

AlCuMg-alloys

Code	Product																	Unit
ALSUI-564/01	(a)	CRM	AlMg, Ø 60x25 mm															disc
MBH-55X G900J2 G	(b)	CRM	Al/Si/Cu alloy, Ø50x17mm															disc
ALPEC-4025	(c)	CRM	AlCu, Ø 55x30 mm															disc
ALSUI-251/01	(d)	CRM	AlCu, Ø 60x25 mm															disc
ALSUI-255/01	(e)	CRM	AlCu, Ø 60x25 mm															disc
ALSUI-252/01	(f)	CRM	AlCu, Ø 60x25 mm															disc
VAW-4203	(g)	RM	AlCu4PbMg, Ø 60x20 mm															disc
ALSUI-223/02	(h)	CRM	AlCu, Ø 60x25 mm															disc
ALCOA-KA242	(i)	CRM	AlCu, Ø 64x25 mm															disc
MBH-56X G2007 A	(j)	CRM	Al/Cu alloy, Ø50x20mm															disc
ALCAN-218AR	(k)	CRM	AlCu, Ø 57x25 mm															disc
		B	Be	Bi	Ca	Cd	Cr	Cu	Fe	Li	Mg	Mn	Na	Ni	Pb	Sb	Si	Sn
	(a)		0.0023				0.01	0.575	0.126		5.53	0.445	0.0018	0.016	0.011		0.91	
	(b)		0.0035	0.366			0.08	0.726	0.504	(0.007)	0.594	0.192		0.083	0.217	0.0374	0.227	0.24
	(c)						(0.001)	(1)	(0.6)		(0.95)	(0.003)		(0.001)	(0.001)		(0.5)	
	(d)						0.01	1.95	0.19		0.55	0.022		0.5			0.15	
	(e)							2.15	0.93		1.9	0.105		0.9			0.1	
	(f)						0.028	3.4	0.1		1.35	0.012		1.75			0.2	
	(g)			0.3			0.001	3.43	0.15		1.24	0.42		0.002	1.54		0.54	0.046
	(h)	0-0,0002			0.00053	0.0011	0.0599	3.58	0.502	0.00019	1.09	0.796	0.0008	0.0522	0.0055		0.68	0.004
	(i)		0.02x				<0.0050	3.6x	0.4		1.8x	0.02x		2.2x	0.02x		0.25	0.02x
	(j)			0.147	0.0051		0.0354	3.699	0.252		0.663	0.605		0.0087	0.889		0.328	0.0676
	(k)			0.040			0.030	4.00	0.49		1.50	0.037		2.00	0.047		0.18	0.048
		Ti	V	Zn	Zr													
	(a)	0.111		0.104														
	(b)	0.079		0.295	0.0637													
	(c)	(0.5)		(0.1)														
	(d)	0.064		0.018														
	(e)	0.055		0.026														
	(f)	0.046		0.015														
	(g)	0.029		0.11	0.002													
	(h)	0.0626	0.0133	0.0993	0.0046													
	(i)	0.06x		0.03x														
	(j)	0.0236		0.386	0.002													
	(k)	0.12		0.035														

ALCOA-WA2024	(a)	CRM	AlCu, Ø 64x25 mm																disc
ALCOA-SS242	(b)	CRM	AlCu, Ø 64x25 mm																disc
ALSUI-253/01	(c)	CRM	AlCu, Ø 60x25 mm																disc
VAW-4001-1	(d)	RM	AlCu, Ø 60x20 mm																disc
ALCOA-SSA242	(e)	CRM	AlCu, Ø 64x25 mm																disc
ALCOA-SS2324	(f)	CRM	AlCu, Ø 64x25 mm																disc
ALSUI-227/01	(g)	CRM	AlCu, Ø 60x25 mm																disc
ALSUI-233/03	(h)	CRM	AlCu, Ø 60x25 mm																disc
SEI-NK24S-NDC2	(i)	CRM	AlCu: type 24S, Ø 55x25 mm																disc
VAW-4003-1	(j)	RM	AlCu, Ø 60x20 mm																disc
ALPEC-850	(k)	CRM	AlSi, Ø 55x30 mm																disc
ALCOA-KB242	(l)	CRM	AlCu, Ø 64x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					0.001x					0.06x	4.0x	0.3				1.6x	0.7	
	(b)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.03x	4.0x	0.55	0.015	<0.0010	<0.0010	1.5x	0.08x	<0.0010
	(c)										0.15	4.1	0.22				1.75	0.052	
	(d)				<0.0005						0.002	4.15	0.25				1.39	0.69	
	(e)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0030	<0.0010	<0.0010	0.20x	4.1x	0.45	0.02x	<0.0010	<0.0010	1.6x	0.05x	<0.0010
	(f)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.01x	4.2x	0.05x	0.02x	<0.0005	<0.0005	1.5x	0.5	<0.0005
	(g)										0.041	4.3	0.39				1.35	0.56	
	(h)						0.21		0.048		0.052	4.32	0.41			0.00007	1.19	0.51	
	(i)										0.05	4.34	0.756				1.47	0.595	
	(j)				<0.0007			0.0002			0.002	4.39	0.3				1.74	0.79	
	(k)					0.00012					0.0003	4.39	0.1946				1.27	0.692	
	(l)					0.05x					<0.0050	4.4x	0.20x				1.2x	0.05x	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.04x					0.3			0.03x		0.06x						
	(b)		2.0x	<0.0010	<0.0030	<0.0010	<0.0010	0.50x	<0.0010	<0.0010	0.12x	0.01x	0.10x	<0.0030					
	(c)		2.2					0.38			0.19		0.04						
	(d)		0.002		0.004			0.14			0.03		0.1	0.08					
	(e)		2.0x	<0.0010	<0.0030	<0.0010	<0.0010	0.3	<0.0010	<0.0010	0.12x	0.01x	0.10x	<0.0030					
	(f)		0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.05x	<0.0010	<0.0010	0.01x	0.01x	0.01x	<0.0030					
	(g)		0.04					0.125			0.05	0.025	0.22	0.01					
	(h)		0.013		1.1			0.3			0.029	0.013	0.21	0.01					
	(i)							0.323			0.016		0.058						
	(j)		0.003		0.004			0.33			0.027		0.15	0.25					
	(k)		0.0113		0.0051			0.275	0.0097		0.0011		0.0481	0.1472					
	(l)		1.8x		0.05x			0.4	0.05x		0.15x		0.05x						

AlCuMg-alloys

VAW-4005	(a)	RM	AlCu, Ø 60x20 mm																disc
VAW-4006	(b)	RM	AlCu, Ø 60x20 mm																disc
ALCAN-2024AF	(c)	CRM	AlCu, Ø 57x25 mm																disc
IARM-104B-G	(d)	prov	AA2024-AB																Each
ALCOA-WF2024	(e)	CRM	AlCu, Ø 64x25 mm																disc
ALCOA-WE2024	(f)	CRM	AlCu, Ø 64x25 mm																disc
ALCOA-SS2024	(g)	CRM	AlCu, Ø 64x25 mm																disc
MBH-56X G14H2 C	(h)	RM	Al/Cu Alloy, Ø 40x15 mm																disc
VAW-4002-1	(i)	RM	AlCu, Ø 60x20 mm																disc
BAM-311	(j)	CRM	Aluminium alloy AlCuMg2 - disc (60 mm x 25 mm)																disc
MBH-56X G2000J3 C	(k)	CRM	Al/Cu Alloy, Ø 40x15 mm																disc
ALCOA-WB2024	(l)	CRM	AlCu, Ø 64x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				<0.0007			0.0002			0.002	4.54	0.3				1.31	0.8	
	(b)				0.0001						0.004	4.55	0.29				1.27	0.8	
	(c)					0.0010	0.008	0.0031i	0.0011i		0.028	4.55	0.25	0.022		0.0030i	1.57	0.66	0.0026i
	(d)	[(0.001)]		[(0.002)]	[(0.0002)]			[(0.001)]			[0.009]	[4.60]	[0.26]	[0.010]			[1.57]	[0.64]	[(0.0005)]
	(e)				0.002x						0.02x	4.6x	0.45				1.6x	0.8	
	(f)				0.007x						0.10x	4.6x	0.20x				1.6x	0.45	
	(g)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	<0.0010	0.06x	4.6x	0.35	0.02x	<0.0005	<0.0005	1.6x	0.65	<0.0005
	(h)										0.08	4.61	0.31				0.97	0.48	
	(i)			0.0004				0.0002			0.002	4.62	0.25				1.48	0.67	
	(j)				0.00052	0.05	(0.000559)	0.00127	0.00115	0.1037	4.653	0.31	0.0159			0.00053	1.567	0.694	(0.00184)
	(k)	0.0105			0.0039	0.152			0.108	0.0573	4.78	0.382				0.0019	1.018	0.589	
	(l)				0.000x					0.06x	5.0x	0.3					1.6x	0.7	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.003		0.003			0.32			0.004		0.21	0.002					
	(b)		0.002		0.002			0.32			0.05		0.21	0.15					
	(c)		0.031	0.0023	0.0077	0.0030		0.25	0.015	0.0029	0.032	0.022	0.073	0.0024					
	(d)	[0.005]	[(0.003)]	[0.014]				[0.15]	[(0.003)]		[0.055]	[0.007]	[0.064]	[(0.001)]					
	(e)	0.07x						0.15x			0.06x		0.03x						
	(f)	0.02x						0.45			0.01x		0.25						
	(g)	0.04x	<0.0010	<0.0030	<0.0010	<0.0010		0.20x	<0.0010	<0.0010	0.03x	0.01x	0.10x	<0.0030					
	(h)	1.82		0.03				0.18	0.07		0.2		0.16						
	(i)	0.003		0.0045				0.21			0.051		0.2	0.13					
	(j)	0.0519		0.0504				0.204	0.0127		0.0562	0.024	0.2005	0.14					
	(k)	0.091		0.375				0.773	0.0157		0.196	0.0099	0.114	0.0268					
	(l)	0.04x						0.3			0.03x		0.25						

ALCAN-2024CAE	(a)	CRM	ALC-2024-CAE															disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(5.0)	(0.30)	0.0001	<0.0001	(2.0)	(0.69)	<0.0001	<0.0001	0.0001	0.0001
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)	<0.0001	(0.26)	0.0005	<0.0001	<0.0001	0.0001	0.0002	<0.0001									

AlCuMg-samples for special price

PB AC1	(a)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC2	(b)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC3	(c)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC5	(d)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC6	(e)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC12	(f)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC13	(g)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC14	(h)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC21	(i)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC22	(j)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC23	(k)	RM	AlCuMg, Ø 57x25 mm													disc	
PB AC24	(l)	RM	AlCuMg, Ø 57x25 mm													disc	
			Bi	Cd	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn	Zr	
	(a)		0.032		(0.003)	7.86	1.17	0.21	0.24	0.052	0.037	0.80	0.035	0.038	0.26	(<0.001)	
	(b)		0.049		(0.004)	5.97	0.25	0.015	0.55	0.25	0.055	0.22	0.056	0.17	0.055	0.098	
	(c)		0.034		0.059	4.41	0.69	0.39	0.61	0.042	0.045	0.64	0.031	0.091	0.20	0.031	
	(d)		0.023		0.053	2.62	0.42	0.32	0.14	0.078	0.013	0.41	0.029	0.013	0.089	(<0.001)	
	(e)		0.044		0.11	2.39	0.38	0.43	0.54	0.068	0.048	0.86	0.045	0.075	0.086	0.024	
	(f)					2.39	1.38	1.43	0.17	1.33		0.31		0.085	0.16		
	(g)					2.18	1.12	1.51	0.11	1.06		0.99		0.075	0.21		
	(h)					3.08	0.32	0.74	0.20	1.92		0.71		0.16	0.11		
	(i)	0.073	0.045	0.100	3.14	0.41	1.39	0.47	0.110	0.064	0.52	0.07		0.120	0.41		
	(j)	0.73	0.12	(<0.01)	3.72	0.80	0.81	0.74	0.20	0.84	0.79	0.12	(<0.01)		0.49		
	(k)	0.62	0.036	(<0.01)	5.25	0.67	(<0.01)	(<0.01)	(<0.01)	0.72	0.31	0.021	(<0.01)		0.18		
	(l)	0.048	0.010	(<0.01)	7.35	1.13	0.17	0.18	0.033	0.018	0.67	0.010		0.030	0.27		

AlCuMgZn-alloys

Code	Product																		Unit
MBH-59X G77J1 F	(a)	RM	Al/Zn/Mg/Cu Alloy, Ø 40x15 mm																disc
MBH-59X G77J2 E	(b)	CRM	Al/Zn/Mg/Cu Alloy, Ø 40x15 mm																disc
ALSUI-732/01	(c)	CRM	AlZn, Ø 60x25 mm																disc
ALCAN-79SAF	(d)	CRM	AlZn, Ø 57x25 mm																disc
ALPEC-9154	(e)	CRM	AlZn, Ø 55x30 mm																disc
MBH-59X G7020 A	(f)	CRM	Al/Zn/Mg alloy, Ø50x20mm																disc
MBH-59X G77J3 F	(g)	CRM	Al/Zn/Mg/Cu Alloy, Ø 50x20 mm																disc
ALSUI-733/03	(h)	CRM	AlZn, Ø 60x25 mm																disc
ALCOA-WE7075	(i)	CRM	AlZn, Ø 64x25 mm																disc
ALPEC-6018	(j)	CRM	AlZn, Ø 55x30 mm																disc
NIST-1259	(k)	CRM	Aluminium alloy 7075																disc
			As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Mo	Na	Ni
	(a)		0.004			0.06		0.004	0.018	0.24	2.41	0.21	(0.013)		4.83	0.46	0.004		0.17
	(b)							0.0025		0.096	2.35	0.295			3.05	0.245			0.52
	(c)									0.045	0.99	0.24			2.06	0.2			
	(d)					0.040				0.20	0.64	0.27	0.02		3.38	0.22			0.040
	(e)				(0.003)			(0.005)		(0.2)	(1.5)	(0.15)			(2.5)	(0.05)			(0.01)
	(f)			0.003			0.002			0.2	0.035	0.2			1.35	0.2			0.005
	(g)					0.0297		0.0095	0.032	0.15	1.3	0.7			2.53	0.246			0.402
	(h)				0.001					0.258	1.45	0.142		0.00024	2.36	0.282		0.0017	0.017
	(i)				<0.0005					0.25	1.6x	0.25			2.6x	0.10x			<0.0050
	(j)				0.0036			0.0178		0.294	1.47	0.264			2.26	0.165		0.00090	0.0302
	(k)				0.0025					0.173	1.6	0.205	(0.022)		2.48	0.079			0.063
			Pb	Sb	Si	Sn	Ti	V	Zn	Zr									
	(a)		0.125		0.15	0.126	0.178	0.005	1.91	0.01									
	(b)		0.125		0.212	0.006	0.015	0.0155	3.35	0.153									
	(c)				0.2		0.016		4.45										
	(d)		0.040		0.19	0.042	0.067		4.68										
	(e)		(0.005)		(0.1)	(0.005)	(0.02)	(0.005)	4.68										
	(f)		0.002		0.05	(0.002)	0.025	0.01	4.7	0.15									
	(g)		0.108		0.647	0.122	0.148	0.0181	4.72	0.0144									
	(h)		0.019	0.0023	0.104	0.00018	0.021	0.01	5.02	0.0101									
	(i)				0.15x		0.05x		5.3x										
	(j)		0.0285		0.027	0.0274	0.0710	0.0251	5.42	0.0160									
	(k)				0.18		(0.04)		5.44										

ALPEC-9151	(a)	CRM	AlZn, Ø 55x30 mm																disc
ALPEC-9152	(b)	CRM	AlZn, Ø 55x30 mm																disc
ALPEC-619	(c)	CRM	AlZn, Ø 50x30 mm																disc
ALPEC-6017	(d)	CRM	AlZn, Ø 55x30 mm																disc
ALCAN-7075CAC	(e)	CRM	ALC-7075-CAC																disc
BAM-308	(f)	RM	Aluminium alloy AlZnMgCu1,5 - disc (60 mm x 25 mm)																disc
MBH-59X G7075 A	(g)	CRM	Al/Zn/Mg/Cu alloy, Ø50x20mm																disc
IARM-343A-G	(h)	prov	Alloy 7055-NO CERT																Each
ALPEC-9156	(i)	CRM	AlZn, Ø 55x30 mm																disc
ALCAN-7075AF	(j)	CRM	AlZn, Ø 57x25 mm																disc
ALCAN-7075CAE	(k)	CRM	ALC-7075-CAE																disc
SEI-NK7075-NDC2	(l)	CRM	AlZn: type 7075, Ø 55x25 mm																disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	
	(a)		(0.003)			(0.005)		(0.2)	2.08	(0.15)			(2.5)	(0.05)		(0.01)		(0.005)	
	(b)		(0.003)			(0.005)		(0.2)	(1.5)	(0.15)			1.47	(0.05)		(0.01)		(0.005)	
	(c)		0-0.00001			0-0.0001		0.143	1.47	0.086			2.43	0.0201	0-0.00004	0.0002		0.0004	
	(d)		0.0090			0.0077		0.018	1.52	0.014			2.37	0.265	0.00053	0.052		0.0163	
	(e)	0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	(0.21)	(1.66)	(0.31)	<0.0001	<0.0001	(2.64)	0.0002	<0.0001	0.0001	0.0003	0.0004	
	(f)		0.00022					0.196	1.32	0.163			2.29	0.034		0.012			
	(g)							0.196	1.68	0.239	0.0088		2.324	0.0757		0.0045		0.0177	
	(h)	[(0.001)]	[0.0009]		[(0.001)]		[(0.001)]	[0.21]	[1.37]	[0.23]	[0.009]		[2.17]	[0.093]	[(0.003)]	[0.010]	[(0.002)]	[0.006]	
	(i)		0.0020			0.0105		0.106	1.45	0.048			2.50	0.298		0.0590		0.0150	
	(j)		0.0011	0.007	0.0034i	0.0009i		0.22	1.75	0.17	0.019	0.0028i	2.66	0.031	0.0029i	0.027	0.001	0.0073	
	(k)	0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	(0.21)	(1.65)	(0.29)	<0.0001	<0.0001	(2.58)	0.0005	<0.0001	0.0001	0.0001	0.0002	
	(l)		0.0027					0.205	1.5	0.3			2.51	0.112		0.045			
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)		(0.1)	(0.005)		(0.02)	(0.005)	(5.6)											
	(b)		(0.1)	(0.005)		(0.02)	(0.005)	(5.6)											
	(c)		0.096	0-0.0001		0.0294	0.0012	5.62	0.0885										
	(d)		0.247	0.0158		0.0095	0.0311	5.63	0.1380										
	(e)	<0.0001	(0.14)	<0.0001	<0.0001	<0.0001	0.0001	(5.64)	<0.0001										
	(f)		0.071			0.029		5.67	0.0078										
	(g)		0.147	0.0008		0.0615		5.69	0.0008										
	(h)		[0.20]	[(0.003)]		[0.043]	[0.004]	[5.7]	[0.013]										
	(i)		0.260	0.0170		0.0110	0.0315	5.70											
	(j)	0.0026	0.19	0.014	0.0032i	0.092	0.020	5.75	0.0024										
	(k)	<0.0001	(0.18)	0.0003	<0.0001	0.0002	0.0001	(5.76)	<0.0001										
	(l)		0.199			0.024	0.0043	5.8	0.142										

ALCOA-WA7075	(a)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-WH7075	(b)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-WG7075	(c)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-WD7075	(d)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-WC7075	(e)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-SS7075	(f)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-WB7075	(g)	CRM	AlZn, Ø 64x25 mm																discarded
ALSUI-734/02	(h)	CRM	AlZn, Ø 60x25 mm																discarded
MBH-59X G7050 A	(i)	CRM	Al/Zn/Mg alloy, Ø50x20mm																discarded
ALCOA-WF7075	(j)	CRM	AlZn, Ø 64x25 mm																discarded
ALCOA-SS7050	(k)	CRM	AlZn, Ø 64x25 mm																discarded
ALPEC-10843	(l)	CRM	AlZn, Ø 55x30 mm																discarded
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					0.001x					0.25	1.2x	0.25				2.6x	0.10x	
	(b)					0.008x					0.3	1.6x	0.35				2.6x	0.03x	
	(c)					0.001x					0.18x	1.6x	0.15x				2.6x	0.20x	
	(d)					0.004x					0.25	1.6x	0.25				2.9x	0.10x	
	(e)					0.004x					0.25	1.6x	0.25				2.6x	0.10x	
	(f)		<0.0010	<0.0010	<0.001	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.22x	1.6x	0.25	0.02x	<0.0005	<0.0005	2.6x	0.08x	<0.0005
	(g)					0.002x					0.25	2.0x	0.25				2.6x	0.10x	
	(h)									0.0214	0.18	2.07	0.36				3	0.51	
	(i)				0.001						0.01	2.2	0.08				2	0.005	
	(j)					<0.0005					0.25	1.6x	0.25				2.6x	0.10x	
	(k)		<0.0010	<0.0010	<0.0010	0.001x	<0.0010	<0.0005	<0.0010	<0.0010	0.02x	2.4x	0.15x	0.02x	<0.0005	<0.0005	2.3x	0.03x	<0.0005
	(l)					(0.001)					(0.15)	(1.6)	(0.12)				(2.8)	(0.02)	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		<0.0050					0.15x			0.05x		5.8x						
	(b)		<0.0050					0.10x			0.01x		5.8x						
	(c)		<0.0050					0.3			0.08x		5.8x						
	(d)		<0.0050					0.15x			0.05x		5.8x						
	(e)		<0.0050					0.15x			0.05x		5.8x						
	(f)		<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.16x	<0.0010	<0.0010	0.04x	0.01x	5.8x	<0.0030					
	(g)		<0.0050					0.15x			0.05x		5.8x						
	(h)		0.052		0.01			0.25	0.004		0.035	0.029	6.16	0.05					
	(i)		0.003		0.005			0.04	(0.001)		0.02	0.01	6.2	0.1					
	(j)		<0.0050					0.15x			0.05x		6.2x						
	(k)		0.02x	<0.0010	<0.0030	<0.0010	<0.0010	0.08x	<0.0010	<0.0010	0.04x	<0.0050	6.2x	0.12x					
	(l)							(0.08)	(0.001)		(0.01)	(0.005)	6.40						

ALCOA-ST1-7000	(a)	CRM	Al, divers, Ø 64x25 mm																	disc
ALPEC-9157	(b)	CRM	AlZn, Ø 55x30 mm																	disc
ALCOA-SS7178	(c)	CRM	AlZn, Ø 64x25 mm																	disc
ERM-EB317	(d)	CRM	Aluminium alloy - AlZn6CuMgZr, Ø50x30mm																	disc
ALCAN-7050CAD	(e)	CRM	ALC-7050-CAD																	disc
ALCOA-SS7085	(f)	CRM	AlZn, Ø 64x25 mm																	disc
ALCOA-SS7001	(g)	CRM	AlZn, Ø 64x25 mm																	disc
ALPEC-10840	(h)	CRM	AlZn, Ø 55x30 mm																	disc
ALPEC-10838	(i)	CRM	AlZn, Ø 55x30 mm																	disc
ALPEC-10839	(j)	CRM	AlZn, Ø 55x30 mm																	disc
ALPEC-10841	(k)	CRM	AlZn, Ø 55x30 mm																	disc
MBH-59X G7068 A	(l)	CRM	Al/Zn/Mg/Cu alloy, Ø50x20mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	
	(a)		0.001x		<0.0005	0.0005	0.001x		0.001x	0.001x	0.15x	1.5x	0.25	0.02x	0.003x			2.5x	0.25	
	(b)					(0.003)			(0.005)		(0.2)	(1.5)	(0.15)					(2.5)	(0.05)	
	(c)		<0.0010	<0.0010	<0.0010	0.0001	<0.0010	<0.0005	<0.0010	<0.0010	0.25	2.0x	0.20x	0.015	<0.0005		<0.0005	2.9x	0.08x	
	(d)		0.0073		(0.0037)	0.00101	0.0041	(0.0006)			0.141	1.770	0.112	0.0183		0.0162		2.39	0.0912	
	(e)				0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(2.00)	(0.15)	<0.0001			<0.0001	(2.0)	(0.08)	
	(f)										0.02	1.7	0.04					1.5	0.02	
	(g)		<0.0010	<0.0010	<0.0010	0.003x	<0.0010	<0.0005	<0.0010	<0.0010	0.21x	2.1x	0.15x	0.02x	<0.0005		<0.0005	3.1x	0.04x	
	(h)					(0.001)					(0.15)	(1.6)	(0.12)					2.15	(0.02)	
	(i)					(0.001)					(0.15)	0.76	(0.12)					(2.8)	(0.02)	
	(j)					(0.001)					(0.15)	2.32	(0.12)					(2.8)	(0.02)	
	(k)					(0.001)					(0.15)	(1.6)	(0.12)					3.60	(0.02)	
	(l)										0.0324	1.676	0.117					2.7	0.0156	
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)			0.02x		0.003x	0.001x		0.15x	0.001x	0.001x	0.04x	0.01x	6.5x	0.001x					
	(b)			(0.01)		(0.005)			(0.1)	(0.005)		(0.02)	(0.005)	6.7						
	(c)		<0.0005	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.05x	0.01x	6.8x	<0.0030					
	(d)			0.0359	(0.0027)	0.00479			0.0271	0.0237		0.0952	0.0105	6.92	0.130					
	(e)		<0.0001	<0.0001	0.0001	0.0002	0.0002		(0.11)	0.002	<0.0001	0.0001	<0.0001	(7.0)	(0.14)					
	(f)								0.03			0.03		7.5	0.1					
	(g)		<0.0005	0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.10x	<0.0010	<0.0010	0.03x	0.01x	7.6x	<0.0030					
	(h)								(0.08)	(0.001)		(0.01)	(0.005)	(7.8)						
	(i)								(0.08)	(0.001)		(0.01)	(0.005)	(7.8)						
	(j)								(0.08)	(0.001)		(0.01)	(0.005)	(7.8)						
	(k)								(0.08)	(0.001)		(0.01)	(0.005)	(7.8)						
	(l)			0.0056		0.002			0.051	(0.001)		0.0419		7.96	0.088					

AlCuMgZn-alloys

IARM-111B-G	(a)	prov	AA7075 - NO #s																	Each
ALPEC-757	(b)	CRM	AlCuMgZn, Ø 55 x 32 mm																	disc
MBH-59X G77J6 B	(c)	CRM	Al/Zn/Mg/Cu Alloy, Ø 50x17 mm																	disc
			Be	Ca	Cd	Co	Cr	Cu	Fe	Ga	Mg	Mn	Ni	P	Pb	Si	Sn	Ti	V	
	(a)			[(0.002)]	[(0.0002)]		[0.001]	[2.29]	[0.09]	[0.013]	[2.04]	[0.001]	[0.004]	[(0.001)]	[0.001]	[0.05]	[(0.003)]	[0.018]	[0.005]	
	(b)		(0.001)				(0.15)	1.53	(0.12)		2.70	(0.02)				(0.08)	(0.001)	(0.001)	(0.005)	
	(c)		0.0079		0.0015	0.0087	0.0127	1.08	0.293		2.6	0.0318	0.0248		0.0123	0.094	0.0267	0.02	0.0107	
			Zn	Zr																
	(a)		[8.1]	[0.15]																
	(b)		9.54																	
	(c)		12.02	0.261																

AlCuMgZn-samples for special price

PB AZ1	(a)	RM	AlZnCuMg, Ø 57x25 mm																	disc
PB AZ2	(b)	RM	AlZnCuMg, Ø 57x25 mm																	disc
PB AZ3	(c)	RM	AlZnCuMg, Ø 57x25 mm																	disc
PB AZ4	(d)	RM	AlZnCuMg, Ø 57x25 mm																	disc
PB AZ5	(e)	RM	AlZnCuMg, Ø 57x25 mm																	disc
PB AZ6	(f)	RM	AlZnCuMg, Ø 57x25 mm																	disc
			Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn	Zr						
	(a)		0.29	3.63	0.19	3.76	0.092	0.34	0.22	0.12	0.24	(0.21)	2.51	(0.25)						
	(b)		0.15	0.64	0.35	3.00	0.22	(<0.01)	(<0.01)	0.36	(<0.01)	0.079	5.92	(0.082)						
	(c)		0.16	1.75	0.42	2.14	0.37	0.11	0.072	0.46	0.070	0.043	6.05	0.042						
	(d)		0.10	0.041	0.45	0.93	0.29	0.024	0.032	0.45	0.020	0.19	4.31	0.019						
	(e)		0.041	2.59	0.46	0.30	0.39	0.20	0.15	0.49	0.17	0.33	3.39	0.20						
	(f)		0.20	0.11	0.25	1.05	0.34	0.036	0.036	0.24	0.030	0.048	4.50	0.15						

AlCuNi-alloys

Code	Product																			Unit
ALCAN-A200AA	(a)	CRM	Al, divers, Ø 57x25 mm																	disc
MBH-56X G250J1 C	(b)	CRM	Al/Cu Alloy, Ø 40x15 mm																	disc
MBH-56X G250J5 D	(c)	CRM	Al/Cu Alloy, Ø 40x15 mm																	disc
ALSUI-271/01	(d)	CRM	AlCu, Ø 60x25 mm																	disc
ALSUI-274/01	(e)	CRM	AlCu, Ø 60x25 mm																	disc
ALSUI-275/01	(f)	CRM	AlCu, Ø 60x25 mm																	disc
MBH-56X G250J2 D	(g)	CRM	Al/Cu Alloy, Ø 40x15 mm																	disc
MBH-56X G250J3 C	(h)	CRM	Al/Cu Alloy, Ø 40x13 mm																	disc
ALSUI-273/01	(i)	CRM	AlCu, Ø 60x25 mm																	disc
MBH-56X G250J7 A	(j)	RM	Al/Cu Alloy, Ø 40x15 mm																	disc
ALSUI-272/01	(k)	CRM	AlCu, Ø 60x25 mm																	disc
			Be	Bi	Cd	Co	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Sb	Si	Sn	Ti	V	Zn	
	(a)			0.04	3.1		0.047	1.15	0.20	0.027	0.043	1.14	0.046		0.20	0.042	0.049		0.05	
	(b)					0.008	0.0067	3.82	0.41	0.075	0.04	1.33	0.101	(0.003)	0.26	0.125	0.008	0.102	0.28	
	(c)	0.0022				0.34	0.047	4.36	0.535	0.022	0.15	1.77	0.076	0.076	0.205	0.097	0.051	0.021	0.086	
	(d)					0.203	0.012	4.47	0.307	0.075	0.206	2.05		0.4	0.19		0.158	0.015	0.012	
	(e)					0.3	0.011	4.77	0.105	0.098	0.207	1.51		0.27	0.05		0.231	0.014	0.014	
	(f)					0.104	0.01	4.78	0.205	0.036	0.053	1.73		0.096	0.09		0.158	0.016	0.012	
	(g)					0.195	0.063	4.81	0.346	0.06	0.225	1.1	(0.0016)	0.324	0.211	(0.004)	0.21	0.018	0.155	
	(h)	0.0014				0.264	0.024	4.9	0.079	(0.001)	0.278	0.92	0.024	0.35	0.11	0.031	0.162	0.036	0.103	
	(i)					0.4	0.012	5.09	0.263	0.065	0.306	1.34		0.199	0.148		0.229	0.016	0.014	
	(j)					1.48	0.09	5.14	0.43	0.06	0.17	1.3	<0.01	0.24	0.23	<0.01	0.247		0.185	
	(k)					0.103	0.012	5.22	0.206	0.162	0.104	1.75		0.54	0.097		0.197	0.026	0.022	
			Zr																	
	(b)		(0.003)																	
	(c)		0.22																	
	(d)		0.104																	
	(e)		0.171																	
	(f)		0.103																	
	(g)		0.247																	
	(h)		0.275																	
	(i)		0.233																	
	(j)		<0.01																	
	(k)		0.194																	

ALSUI-276/01	(a)	CRM	AlCu, Ø 60x25 mm											disc
		Co	Cr	Cu	Fe	Mg	Mn	Ni	Sb	Si	Ti	V	Zn	Zr
	(a)	0.245	0-0,001	5.3	0.096	0-0,001	0.251	1.02	0.237	0.05	0.213	0.004	0-0,005	0.0002

AlFe-alloys

Code	Product																	Unit
VAW-2405	(a)	RM	AlMn, Ø 60x20 mm															disc
ALCAN-6151-AB	(b)	CRM	AlSi, AlSiCu, Ø 57x25 mm															disc
ALCAN-3102AD	(c)	CRM	Al, pure, Ø 57x25 mm															disc
ALCAN-3102CAF	(d)	CRM	ALC-3102-CAF															disc
ALCOA-WA5005	(e)	CRM	AlMg, Ø 64x25 mm															disc
ALCAN-D3SBC	(f)	CRM	Al, pure, Ø 57x25 mm															disc
ALCAN-1100AY	(g)	CRM	Rio Tinto Alcan CRM for Alloy AA1100, 57mm x 25mm, ~170g															disc
ALPEC-509	(h)	CRM	Al, pure, Ø 55x30 mm															disc
ALCAN-1100AK	(i)	CRM	Al, pure, Ø 57x25 mm															disc
ALPEC-003	(j)	CRM	AlMg, Ø 55x30 mm															disc
ALSUI-143/04	(k)	CRM	Al, pure, Ø 60x25 mm															disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)							0.001	0.013	0.52			0.007	0.31				
	(b)		0.0013	0.0079i	0.0030i	0.0012		0.31	0.14	0.53	0.022	0.0020i	0.65	0.14	0.0016i	0.028	0.0024	0.0077
	(c)		0.0010	0.008	0.0016	0.0012		0.021	0.086	0.54	0.019	0.0014i	0.028	0.37	0.0010i	0.019	0.0030	0.009
	(d)	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.07)	(0.55)	<0.0001	<0.0001	0.0002	(0.31)	<0.0001	<0.0001	0.0001	<0.0001
	(e)			0.03x				0.01x	0.03x	0.55			0.35	0.01x		0.01x		0.03x
	(f)		0.0008	0.030	0.0032i			0.030	0.15	0.56	0.014	0.0003i	0.022	0.40	0.0034i	0.034	0.0002	0.030
	(g)		0.0009	0.0048	0.0008i	0.0013		0.019	0.084	0.59	0.020	0.0018i	0.0096i	0.029	0.0057i	0.031	0.0027	0.0082
	(h)							0.0631	0.0705	0.5970	0.0170		0.0566	0.0750		0.0363		0.0488
	(i)		0.0011	0.0056	0.0013i	0.0011		0.018	0.084	0.60	0.020	0.0019i	0.0123	0.029	0.0045i	0.030	0.0023	0.0085
	(j)							0.0600	0.0065	0.610			0.41	0.0420		0.0290		0.0205
	(k)		0.0001		0-0,0001			0.02	0.0028	0.62	0.014	0.0001	0.006	0.0069	(0.0003)	0.002		0.0032
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		0.1			0.005		0.025										
	(b)	0.0017	1.08	0.014	0.0020i	0.036	0.020	0.015i	0.016									
	(c)	0.0035	0.35	0.021	0.0018i	0.0271	0.0191	0.029	0.0040									
	(d)	<0.0001	(0.29)	<0.0001	<0.0001	0.0001	<0.0001	0.0002	<0.0001									
	(e)		0.12x	0.01x		0.01x	0.01x	0.03x										
	(f)		0.092	0.037		0.034	0.003	0.044	0.021									
	(g)	0.0021	0.17	0.014	0.0016i	0.030	0.020	0.032	0.0034									
	(h)	0.0400	0.3210	0.0390		0.0404		0.1372										
	(i)	0.0016	0.18	0.0140	0.0018i	0.030	0.0178	0.031	0.0032									
	(j)		0.350	0.0300		0.0540	0.0145	0.0180										
	(k)		0.15	0.003		0.0019	0.003	0.0136	0.0048									

AlFe-alloys

ALCAN-3003AK	(a)	CRM	Al, divers, Ø 57x25 mm																disc
ALCAN-1200AJ	(b)	CRM	Al, pure, Ø57x25mm																disc
ALCAN-8112AB	(c)	CRM	Rio Tinto Alcan CRM for Alloy AA8112, 57mm x 25mm, ~170g																disc
VAW-1501-1	(d)	CRM	Al, divers, Ø 60x20 mm																disc
ALPEC-905	(e)	CRM	AlMn, Ø 55x30 mm																disc
ALCAN-A8011-AC	(f)	CRM	"ALC-A8011-AC""																disc
ALCAN-8030AC	(g)	CRM	Al, divers, Ø 57x25 mm																disc
MBH-51X G00H1 D	(h)	CRM	Residuals in Al, Ø 40x15mm or ø50x20mm																disc
VAW-1511-1	(i)	CRM	Al, divers, Ø 60x20 mm																disc
VAW-1502-1	(j)	CRM	Al, divers, Ø 60x20 mm																disc
ALCAN-8079CAE	(k)	CRM	ALC-8079-CAE																disc
ALCAN-8079-AF	(l)	CRM	Rio Tinto Alcan CRM for Alloy AA8079, Ø 57x25mm																disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni	P	
	(a)		0.0010i	0.0078	0.0017i	0.0013		0.0142	0.090	0.63	0.014		0.0023i	0.011i	1.14	0.0014i	0.023	0.0016	
	(b)		0.0010i	0.008	0.0024i	0.0011		0.03	0.031	0.640	0.020		0.0027i	0.024i	0.034	0.0018i	0.029	0.0028	
	(c)		0.0011	0.011	0.0020	0.0014		0.029	0.18	0.66	0.029		0.0017	0.020	0.18	0.0018	0.031	0.0036	
	(d)	0.0027	<0.0001		<0.0002	0.0019		0.023	0.0025	0.67	0.0048	0.0023	<0.0001	0.005	0.021	0.0046	0.015	<0.0005	
	(e)							0.0416	0.2962	0.6785				0.1949	0.412		0.0103		
	(f)		0.0007i	0.0075	0.0009i	0.0013		0.020	0.028	0.74	0.019		0.0009i	0.014i	0.022	0.0013i	0.021	0.0029	
	(g)		0.0009	0.027	0.0025i	0.0018		0.020	0.20	0.830	0.029		0.0016i	0.018	0.0032	0.0018i	0.024	0.006	
	(h)			0.023		(0.0001)		0.0061	0.0131	0.831				0.054	0.0074		0.231		
	(i)	0.0016	<0.0001		<0.0002	0.0015		0.0042	0.0026	0.97	0.0041	0.0048	<0.0001	<0.0005	0.51	0.0029	0.0097	<0.0005	
	(j)	<0.0002	0.0001		0.0013	<0.0002		0.0004	0.071	0.98	0.015	<0.0002	<0.0001	0.0013	0.0053		0.0004	0.0026	
	(k)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	(1.06)	<0.0001	<0.0001	<0.0001	0.0002	0.0001	<0.0001	0.0001	0.0001	
	(l)		0.0008i	0.0078	0.0015i	0.0012		0.020	0.020i	1.08	0.020		0.0016i	0.0028i	0.020i	0.0015i	0.020	0.0017	
		Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)	0.0081	0.0020	0.24	0.0148	0.0019i	0.025	0.020	0.0253	0.0020									
	(b)	0.0081	0.0021	0.2	0.019	0.0023i	0.03	0.020	0.061	0.0028									
	(c)	0.011	0.0048	0.071	0.021	0.0022	0.029	0.029	0.050	0.0030									
	(d)	0.004	0.0024	0.14	<0.0002	<0.0001	0.0001	<0.0002	0.049	<0.0002									
	(e)	0.0087		0.2041	0.0054		0.0101		0.1484										
	(f)	0.0084	0.0016	0.75	0.015	0.0012i	0.020	0.019	0.021	0.0022									
	(g)	0.016	(0.006)	0.066	0.016	0.0027i	0.003	0.020	0.014	0.0028									
	(h)	0.0021	(0.003)	0.142	0.096		0.0135	0.0081	0.243	(0.001)									
	(i)	0.0034	<0.0002	0.13	0.0008	<0.0001	<0.0002	<0.0002	0.041	<0.0002									
	(j)	<0.0002	<0.0002	0.021	0.0012	0.0002	0.026	0.0102	0.0008	0.0032									
	(k)	<0.0001	<0.0001	(0.21)	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0001									
	(l)	0.0073	0.0029	0.21	0.019	0.0016i	0.020	0.020	0.020	0.0019									

AlFe-alloys

ALCAN-8007CAF	(a)	CRM	ALC-8007-CAF																disc
ALCAN-8006AG	(b)	CRM	Al, divers, Ø 57x25 mm																disc
ALCAN-8007AE	(c)	CRM	Al, divers, Ø 57x25 mm																disc
ALSUI-157/02	(d)	CRM	AlFe, Ø 60x25 mm																disc
ALCAN-8007AG	(e)	CRM	Al, divers, Ø 57x25 mm																disc
ALSUI-158/03	(f)	CRM	AlFe, Ø 60x25 mm																disc
ALSUI-161/01	(g)	CRM	AlFe, Ø 60x25 mm																disc
ALCOA-SSA2800	(h)	CRM	Al, divers, Ø 64x25 mm																disc
ALCAN-5100CBR	(i)	CRM	ALC-5100-CBR																disc
ALCAN-5100BS	(j)	CRM	AlMg, Ø 57x25 mm																disc
		B	Be	Bi	Ca	Cd	Cr	Cu	Fe	Ga	Li	Mg	Mn	Mo	Na	Ni	P	Pb	
	(a)		<0.0001	<0.001	<0.0001		0.0007	0.0008	(1.57)	<0.001	<0.0001	0.0008	(0.55)		<0.0001	0.0008	0.0004	<0.001	
	(b)		0.0012	0.009	0.0017i	0.0015	0.020	0.042	1.60	0.020	0.0014i	0.0030i	0.55		0.0015i	0.021	0.0034	0.010	
	(c)		0.0021i	0.020	0.0027i		0.031	0.049	1.61	0.031	0.0007i	0.014	0.56		0.0018i	0.029	0.0032	0.015	
	(d)						0.0004	0.0112	1.62			0.0203	0.0166			0.0025		0.005	
	(e)		0.0023	0.017	0.0002		0.030	0.051	1.63	0.018	0.0002	0.011	0.47		<0.0001	0.029	0.002	0.016	
	(f)	0.001					0.007	0.012	1.98	0.01		0.02	0.021	0.009		0.0085		0.007	
	(g)				(0.001)		0.012	0.023	2.66			0.024	0.035			0.013	0.0016	0.011	
	(h)						0.03x	3.0x											
	(i)	0.0002		<0.001			<0.001	(0.003)	(3.7)	<0.001		<0.001	(0.002)			<0.001		<0.001	
	(j)			0.040	(0.0033)		0.031	0.06	3.9	0.032	(0.0006)	0.026	0.041		(0.0006)	0.046	(0.002)	0.035	
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)		0.002	0.001	<0.0001	0.0002	0.001	(1.09)	<0.001										
	(b)	0.004	0.22	0.012	0.0019i	0.014	0.021	0.046	0.0030										
	(c)		0.025	0.018		0.011	0.020	1.11											
	(d)		0.117	0.0019		0.0024	0.0027	0.0101	0.0051										
	(e)		0.20	0.0170	0.0004	0.014	0.019	1.10	0.019										
	(f)		0.053	0.005		0.013	0.013	0.0075	0.0055										
	(g)	0.0053	0.12	0.01		0.023	0.022	0.012	0.01										
	(h)		0.25																
	(i)		0.024			<0.001	<0.001	<0.001											
	(j)		0.20	0.043		0.038	0.013	0.040	0.02										

AlMg-alloys

Code	Product																		Unit		
MBH-511X G6063 A	(a)	CRM	Al/Mg alloy, Ø50x20mm																		disc
ALCAN-5010CAF	(b)	CRM	ALC-5010-CAF																		disc
ALSUI-6063/L1	(c)	CRM	Type 6, Recalibration, Ø 60x25 mm																		disc
ALCOA-WA6063	(d)	CRM	AlMg, Ø 64x25 mm																		disc
ALSUI-512/02	(e)	CRM	AlMg, Ø 60x25 mm																		disc
ALCOA-SS3105	(f)	CRM	AlMn, Ø 64x25 mm																		disc
VAW-1300	(g)	RM	Al, pure, Ø 60x20 mm																		disc
VAW-1302	(h)	RM	Al, pure, Ø 60x20 mm																		disc
ALCAN-6063DAZ	(i)	CRM	AA6063																		disc
VAW-2000-1	(j)	CRM	AlMg, Ø 60x20 mm																		disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na		
	(a)										0.0021	0.0014	0.185				0.437	0.0239			
	(b)				0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	(0.44)	<0.0001		<0.0001	(0.46)	(0.21)	<0.0001		
	(c)								0.0025		0.0107	0.0105	0.152				0.46	0.022			
	(d)											0.0105	0.164	0.014			0.482	0.0315			
	(e)			0.0016		0.00092			0.001		0.0107	0.0126	0.0306	0.0042	0.0036		0.498	0.0107			
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0005	<0.0010	0.05x	0.15x	0.5	0.02x	<0.0005	<0.0005		0.5	0.4	<0.0005		
	(g)										0.0018	0.026					0.51	0.0012			
	(h)										0.0007	0.0016	0.024				0.51	0.009			
	(i)			(0.0003)	(0.00001)	(0.00001)	(0.0001)	(0.00001)	(0.0003)	(0.0039)	(0.021)	(0.197)	(0.0179)		(0.00001)		(0.517)	(0.078)	(0.0001)		
	(j)			<0.002				<0.0003		<0.002	0.0015	0.0054	0.19				0.52	0.01			
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)		0.0021		0.0011			0.412	(-0.0006)		0.011	0.0087	0.0062								
	(b)		<0.0001	0.0001	<0.0001	<0.0001		(0.15)	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001							
	(c)		0.0108		0.0032			0.36	0.0025		0.0133	0.0064	0.0162	0.0052							
	(d)							0.45			0.0133	0.01									
	(e)		0.0117		0.00126	0.0014		0.0377	0.0012		0.0135	0.0057	0.0116	0.0052							
	(f)		0.02x	<0.0010	0.001x	<0.0010	<0.0010	0.20x	<0.0010	<0.0010	0.01x	0.01x	0.20x	<0.0030							
	(g)							0.036			0.0015		0.0065								
	(h)							0.076			0.0015		0.014								
	(i)		(0.0048)	(0.0008)	(0.0011)	(0.0002)		(0.443)	(0.0006)	(0.00001)	(0.010)	(0.0122)	(0.0128)	(0.0026)							
	(j)		0.0017		0.0012			0.49	<0.004		0.0098	0.0015	0.021	0.0035							

ALCAN-6063CBB	(a)	CRM	ALC-6063-CBB															disc	
VAW-2012-3	(b)	CRM	AlMgSi, Ø 60x20 mm															disc	
ALCAN-5010AE	(c)	CRM	AlMg, Ø 57x25 mm															disc	
ALCAN-6006AB	(d)	CRM	ALC-6006-AB															disc	
ALCOA-WX6000	(e)	CRM	AlMg, Ø 64x25 mm															disc	
ALCOA-SS6063	(f)	CRM	AlMg, Ø 64x25 mm															disc	
SEI-NK63SND C3	(g)	CRM	AlMg: type 63S, Ø 55x25 mm															disc	
ALPEC-2350	(h)	CRM	AlMg, Ø 55x30 mm															disc	
ALCAN-6006CAD	(i)	CRM	Al, Ø 57x25 mm															disc	
ALCOA-WZ6000	(j)	CRM	AlMg, Ø 64x25 mm															disc	
ALCOA-SS6951	(k)	CRM	AlMg, Ø 64x25 mm															disc	
ALCAN-5657AA	(l)	CRM	Al, divers, Ø 57x25 mm															disc	
			Ag	Al	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn
	(a)					0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	(0.20)	<0.0001		<0.0001	(0.53)	0.0008
	(b)			(98.5)		0.0009	0.00088	0.0047	0.001	0.00096	0.00116	0.0197	0.059	0.21	0.0196		0.00064	0.545	0.0519
	(c)						0.0014	0.023	0.0031i	0.0016		0.025	0.032	0.44	0.026		0.0034i	0.57	0.26
	(d)						0.0013	0.015	0.0029	0.0013		0.016	0.24	0.29	0.020		0.0024i	0.57	0.17
	(e)											0.32	0.03x	0.20x				0.65	0.02x
	(f)		<0.0010		<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.02x	0.06x	0.25	0.02x	<0.0005	<0.0005	0.65	0.02x
	(g)											0.052	0.054	0.196				0.655	0.013
	(h)						0.00044					0.0985	0.0517	0.374				0.669	0.0506
	(i)					0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.08)	(0.14)	(0.18)	<0.0001		<0.0001	(0.69)	(0.15)
	(j)					<0.005						<0.0050	0.03x	0.15x	0.02x			0.7	0.01x
	(k)		<0.0010		<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.02x	0.3	0.4	0.015	<0.0005	<0.0005	0.7	0.03x
	(l)						0.0042	0.018	0.0066i			0.020	0.050	0.077	0.030		0.0022i	0.740	0.030
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)		0.0001	<0.0001	0.0004	<0.0001	<0.0001		(0.43)	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001				
	(b)		0.0011	0.0149	0.0023	0.0058	0.0028		0.482	0.0049	0.00083	0.0261	0.0186	0.0216	0.00252				
	(c)		0.0031i	0.022	0.0058i	0.016			0.18	0.018	0.0020i	0.025	0.024	0.027	0.0034				
	(d)		0.0025i	0.032	0.0034	0.016	0.0031		0.45	0.015	0.0031	0.043	0.020	0.044	0.0030				
	(e)			0.01x					0.42			0.01x		0.02x					
	(f)		<0.0005	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	0.48	<0.0010	<0.0010	0.03x	0.01x	0.05x	<0.0030				
	(g)			0.048					0.407			0.013	0.012	0.058					
	(h)			0.0519		0.0106			0.197	0.0203		0.0231	0.0273	0.0498	0.0190				
	(i)		<0.0001	<0.0001	0.0001														

VAW-1110	(a)	RM	Al, pure, Ø 60x20 mm																disc
VAW-1101	(b)	RM	Al, pure, Ø 60x20 mm																disc
VAW-1105	(c)	RM	Al, pure, Ø 60x20 mm																disc
VAW-1303	(d)	RM	Al, pure, Ø 60x20 mm																disc
ALCOA-SS5657	(e)	CRM	AlMg, Ø 64x25 mm																disc
MBH-511X G6262 B	(f)	CRM	Al/Mg with Bi, Sn and Pb, Ø50x20mm																disc
ALCOA-SS5005	(g)	CRM	AlMg, Ø 64x25 mm																disc
ALCAN-5005CAB	(h)	CRM	ALC-5005-CAB																disc
ALCAN-5005CAF	(i)	CRM	ALC-5005-CAF																disc
ALCAN-6449CAB	(j)	CRM	ALC-6449-CAB																disc
ALCOA-WH6000	(k)	CRM	AlMg, Ø 64x25 mm																disc
ALCOA-WJ6000	(l)	CRM	AlMg, Ø 64x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)											0.0003	0.0018				0.75	0.0001	
	(b)											0.014	0.007				0.75	0.002	
	(c)											0.0025	0.007				0.79	0.0006	
	(d)											0.0017	0.024				0.79	0.0095	
	(e)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.01x	0.04x	0.06x	0.015	<0.0005	<0.0005		0.8	0.02x	<0.0005
	(f)					0.424				0.0666	0.243	0.329					0.829	0.0737	
	(g)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.02x	0.06x	0.5	0.02x	<0.0005	<0.0005		0.85	0.03x	<0.0005
	(h)				<0.0001	<0.001	<0.0001			<0.001	0.07	(0.57)	<0.001		<0.0001		(0.87)	<0.001	<0.0001
	(i)			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.080)	(0.58)	<0.0001	<0.0001	<0.0001		(0.87)	<0.0001	<0.0001
	(j)					(0.45)				<0.001	(0.34)	(0.001)	(0.001)				(0.89)	<0.001	
	(k)									0.03x	0.10x	0.3					0.9	0.03x	
	(l)									0.03x	0.10x	0.3					0.9	0.03x	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)							0.0026					0.0015						
	(b)							0.013			0.006		0.054						
	(c)							0.0065					0.0035						
	(d)							0.067			0.004		0.017						
	(e)	0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.04x	<0.0010	<0.0010	0.01x	0.01x	0.02x	<0.0030						
	(f)	0.0034		0.499			0.557	(0.0012)		0.0194		0.0209							
	(g)	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.02x	0.01x	0.06x	<0.0030						
	(h)	<0.001	0.0001	<0.001			(0.16)	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001						
	(i)	<0.0001	<0.0001	<0.0001	<0.0001		(0.17)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001						
	(j)	(0.002)		(0.48)			(0.67)	(0.003)		<0.001	<0.001	<0.001							
	(k)	0.03x					0.25			0.03x		0.03x							
	(l)	0.03x					0.35			0.03x		0.03x							

AlMg-alloys

ALCAN-5005AE	(a)	CRM	AlMg, Ø 57x25 mm															disc
ALSUI-6063/H1	(b)	CRM	Type 6, Recalibration, Ø 60x25 mm															disc
ALCAN-5457AA	(c)	CRM	AlMg, Ø 57x25 mm															disc
ALCAN-6061DAO	(d)	CRM	AlMg, Ø 57x25 mm															disc
ALSUI-513/02	(e)	CRM	AlMg, Ø 60x25 mm															disc
VAW-1111	(f)	RM	AlMg, Ø 60x20 mm															disc
ALCAN-5457AB	(g)	CRM	ALC-5457-AB/S															disc
BAM-310	(h)	CRM	Aluminium alloy Al99,85Mg1 - disc (60 mm x 25 mm)															disc
ALPEC-2340	(i)	CRM	AlMg, Ø 55x30 mm															disc
ALSUI-522/03	(j)	CRM	AlSi, AlSiCu, Ø 60x25 mm															disc
VAW-1114	(k)	RM	Al, pure, Ø 60x20 mm															disc
VAW-1304	(l)	RM	Al, pure, Ø 60x20 mm															disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)		0.0013	0.028	0.0032i	0.0030		0.027	0.066	0.49	0.024	0.0022i	0.91	0.039	0.0030i	0.017	0.0045i	0.014
	(b)					0.0026		0.041	0.105	0.36			0.93	0.159		0.052		0.0033
	(c)		0.0030	0.019	0.0016			0.014	0.13	0.082	0.021	0.0028i	0.93	0.25	0.0044i	0.021	0.003	0.019
	(d)	(0.0002)	(0.00001)	(0.00001)	(0.0001)	(0.00001)	(0.0002)	(0.142)	(0.299)	(0.239)	(0.017)	(0.00001)	(0.962)	(0.0081)	(0.0001)	(0.0048)	(0.0008)	(0.0010)
	(e)							0.001	0.0033	0.0056			0.98	0.001		0.0012		
	(f)								0.0002	0.0025			0.99	0.0001				
	(g)		0.0013	0.0081	0.0035i	0.0010i		0.026	0.16	0.12	0.020	0.0034i	0.99	0.42	0.0031i	0.027	0.0027	0.0078
	(h)							0.0009	0.00169	0.0705			0.994	0.00307		0.00244		
	(i)		0.00127					0.0510	0.1007	0.189			1.009	0.0016		0.0208		0.0302
	(j)		0.0039		0.001	0.001		0.0158	0.03	0.197	0.0051		1.01	0.102	0.0011	0.0103		0.0039
	(k)							<0.0005	0.0002	0.002			1.02	0.0003		<0.0005		
	(l)								0.0018	0.024			1.03	0.0095				
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)	0.0041	0.16	0.017	0.0038i	0.018	0.024	0.026	0.0032									
	(b)		0.64	0.0027		0.105	0.0205	0.105	0.0194									
	(c)		0.078	0.022	0.007	0.029	0.011	0.020	0.012									
	(d)		(0.646)	(0.0005)	(0.00001)	(0.0136)	(0.012)	(0.013)	(0.0023)									
	(e)		0.0057			0.003	0.0012	0.0035	0.001									
	(f)		0.003					0.002										
	(g)	0.0024	0.100i	0.021	0.0037i	0.028i	0.022	0.030i	0.0030									
	(h)		0.0797			0.00301		0.0086										
	(i)		0.097	0.0996		0.0562	0.0349	0.0979	0.0455									
	(j)		0.203			0.0104	0.0027	0.0219										
	(k)		0.021			<0.0005		0.0046										
	(l)		0.066			0.009		0.017										

ALPEC-6033	(a)	CRM	AlMg, Ø 55x30 mm																	disc
ALCAN-6061CAR	(b)	CRM	ALC-6061-CAR																	disc
VAW-1102	(c)	RM	Al, pure, Ø 60x20 mm																	disc
ALCOA-SS5357	(d)	CRM	AlMg, Ø 64x25 mm																	disc
MBH-511X G6065 A	(e)	CRM	Al/Mg Alloy with Bi, Sn and Pb, Ø 50x17 mm																	disc
VAW-1106	(f)	RM	Al, pure, Ø 60x20 mm																	disc
ALPEC-2330	(g)	CRM	AlMg, Ø 55x30 mm																	disc
ALCAN-K57SCAF	(h)	CRM	ALC-K57S-CAF																	disc
VAW-2009	(i)	RM	AlMg, Ø 60x20 mm																	disc
ALSUI-551/03	(j)	CRM	AlMg, Ø 60x25 mm																	disc
VAW-1112	(k)	RM	Al, pure, Ø 60x20 mm																	disc
ALCOA-SS5050	(l)	CRM	AlMg, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.00002					0.0010	0.0674	0.014				1.05	0.153	0.00005	
	(b)			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.20)	(0.31)	(0.34)	<0.0001	<0.0001	<0.0001	(1.09)	0.0001	<0.0001	
	(c)											0.011	0.014				1.1	0.0012		
	(d)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.01x	0.08x	0.08x	0.08x	0.015	<0.0005	<0.0005	1.1x	0.25	<0.0005	
	(e)				0.0011	1.27					0.0759	0.214	0.74				1.18	0.131		
	(f)											0.0018	0.015				1.25	0.0006		
	(g)					0.00295					0.0002	0.1484	0.039				1.324	0.2494		
	(h)			0.0004	<0.0001	<0.0001	0.0001				<0.001	(0.003)	(0.50)	<0.0001		<0.0001	(1.35)	0.0002	<0.0001	
	(i)										0.0006	0.0035	0.28				1.39	0.0075		
	(j)										0.338	0.137	0.06			0.0014	1.4	1.1	0.0027	
	(k)											0.0002	0.004				1.47	0.0002		
	(l)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.03x	0.05x	0.45		0.015	<0.0005	<0.0005	1.4x	0.04x	<0.0005	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.0181		0.0135			0.019	0.0205		0.0027		0.2136	0.0726						
	(b)	<0.0001	<0.0001	<0.0001	<0.0001			(0.70)	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001						
	(c)							0.02			0.009		0.037							
	(d)	0.01x	<0.0010	<0.0030	<0.0010	<0.0010		0.05x	<0.0010	<0.0010	0.01x	0.01x	0.02x	<0.0030						
	(e)	0.0144		0.031				0.495	0.0251		0.112		0.164	0.144						
	(f)							0.014					0.003							
	(g)	0.0015		0.0213				0.029	0.0512		0.1115	0.0190	0.1485	0.0868						
	(h)	<0.001	0.0008	<0.0001				(0.12)	<0.001	<0.0001	<0.001	<0.001	0.0003	<0.0001						
	(i)							0.35			0.0025		0.02							
	(j)	0.0031		0.0186				0.246			0.0117	0.0215	0.1							
	(k)							0.0033					0.002							
	(l)	0.03x	<0.0010	<0.0030	<0.0010	<0.0010		0.18x	<0.0010	<0.0010	0.02x	0.01x	0.04x	<0.0030						

AlMg-alloys

VAW-1305	(a)	RM	Al, pure, Ø 60x20 mm																	disc
ALSUI-523/01	(b)	CRM	AlMg, Ø 60x25 mm																	disc
ALCOA-ST1-5000	(c)	CRM	Al, divers, Ø 64x25 mm																	disc
VAW-1107	(d)	RM	Al, pure, Ø 60x20 mm																	disc
ALSUI-524/04	(e)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCAN-5017CAC	(f)	CRM	Rio Tinto Alcan CRM for Alloy AA5017, 57mm x 25mm, ~170g																	disc
ALCAN-5017CAD	(g)	CRM	ALC-5017-CAD																	disc
VAW-1113	(h)	RM	Al, pure, Ø 60x20 mm																	disc
ALCAN-5017AB	(i)	CRM	AlMg, Ø 57x25 mm																	disc
MBH-511X G05H1 H	(j)	CRM	Al/Mg Alloy, Ø 40x15 mm																	disc
ALPEC-6036	(k)	CRM	AlMg, Ø 55x30 mm																	disc
VAW-2300-1	(l)	CRM	AlMg, Ø 60x20 mm																	disc
			Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	Na	
	(a)										0.0018	0.025					1.49	0.0095		
	(b)					0.009				0.105	0.0011	0.084					1.51	0.15		
	(c)	<0.0010	<0.0005	0.0005	0.001x		0.001x	0.001x	0.15x	0.05x	0.3	0.02x	0.003x				1.8x	0.05x		
	(d)									0.0005	0.026						1.83	0.0009		
	(e)			0.001	0.001	0.002	0.0022		0.176	0.1	0.5				0.00024		2	0.199	0.0029	
	(f)		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0002	(0.38)	(0.29)	<0.0001			<0.0001		(2.00)	(0.35)	<0.0001	
	(g)		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0003	0.0003	(0.19)	(0.38)	<0.0001			<0.0001		(2.0)	(0.80)	<0.0001	
	(h)									0.0001	0.0016						2.01	0.0001		
	(i)			0.0035	0.013	0.0054			0.018	0.40	0.27	0.020				0.0046i	2.01	0.28	0.0042	
	(j)			(0.0002)			0.013		0.242	0.32	0.79						2.02	0.012		
	(k)			0.00096					0.1248	0.0065	0.276						2.07	0.383	0.00034	
	(l)	<0.0001	0.0001	0.0033	<0.0001	0.0006	0.0001	0.0002	0.2	0.069	0.39	0.0096	<0.0001	<0.0002	0.0006		2.1	0.38	0.0012	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)							0.072			0.007		0.018							
	(b)	0.0097		0.02				0.087			0.11	0.0172	0.012							
	(c)	0.03x		0.003x	0.001x			0.15	0.001x	0.001x	0.02x	0.01x	0.04x	0.001x						
	(d)							0.017					0.0025							
	(e)	0.029	0.0011	0.0068	0.0007			0.403	0.0025		0.0614	0.0072	0.0586	0.0042						
	(f)	0.0003	0.0001	0.0003	<0.0001			(0.25)	<0.0001	<0.0001	0.0001	0.0001	<0.0001	<0.0001						
	(g)	0.0005	0.0003	<0.0001	0.0001			(0.36)	<0.0001	<0.0001	0.0004	0.0002	<0.0003	0.0002						
	(h)							0.0035					0.0012							
	(i)	0.030	0.001	0.020				0.28	0.021		0.056	0.015	0.026	0.014						
	(j)	0.125		0.023				0.42	0.178		0.204	0.053	0.47	(0.002)						
	(k)	0.0487		0.0195				0.102	0.0023		0.0527		0.0936	0.0504						
	(l)	0.0036	0.0004	0.0023	<0.0002	<0.0002	0.49	0.0007	<0.0001	0.0069	0.0024	0.2	0.0033							

ALCAN-5251AF	(a)	CRM	Rio Tinto Alcan CRM for Alloy AA5251, 57mm x 25mm, ~170g															disc	
ALCOA-WA5052	(b)	CRM	AlMg, Ø 64x25 mm															disc	
ALCAN-5251AD	(c)	CRM	AlMg, Ø 57x25 mm															disc	
ALCAN-5052DAK	(d)	CRM	AA5052, 57mm x 25mm, ~170g															disc	
ALSUI-514/02	(e)	CRM	AlMg, Ø 60x25 mm															disc	
ALCAN-C57SAB	(f)	CRM	AlMg, Ø 57x25 mm															disc	
SEI-NK52S-NDC3	(g)	CRM	AlMg: type 52S, Ø 55x25 mm															disc	
ALCOA-SS5252	(h)	CRM	AlMg, Ø 64x25 mm															disc	
ALCOA-SS5052	(i)	CRM	AlMg, Ø 64x25 mm															disc	
ALCAN-5454CAB	(j)	CRM	ALC-5454-CAB															disc	
VAW-2302-3	(k)	RM	AlMg, Ø 60x20 mm															disc	
ALCOA-ST2-5052	(l)	CRM	ASM-ST2-5052															disc	
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					0.001	0.006	0.0036	0.001		0.096	0.10	0.45	0.02		0.0040i	2.14i	0.29	0.0041i
	(b)										0.3	0.10x	0.10x				2.2x	0.02x	
	(c)					0.0013	0.015i	0.0031i	0.0015		0.031	0.089	0.33	0.021		0.0026i	2.30	0.33	0.0026i
	(d)				(0.0002)	(0.00001)	(0.00001)	(0.0001)	(0.00001)	(0.0003)	(0.197)	(0.041)	(0.284)	(0.019)		(0.00001)	(2.40)	(0.057)	(0.0001)
	(e)			0-0,0001		0.002	0.0019		0.002		0.0055	0.011	0.0629	0.0081			2.42	0.0305	0.0014
	(f)					0.001	0.01				0.032	0.055	0.100	0.020			2.44	0.0350	0.00320
	(g)					0.0015					0.314	0.047	0.201				2.46	0.049	
	(h)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	<0.0050	0.04x	0.05x	0.02x	<0.0005	<0.0005		2.5x	0.01x	<0.0005
	(i)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.25	0.06x	0.20x	0.02x	<0.0005	<0.0005		2.6x	0.05x	<0.0005
	(j)			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.10)	0.0004	(0.15)	<0.0001		<0.0001		(2.66)	(0.79)	<0.0001
	(k)				0.002		0.0005	0.0066		0.1	0.085	0.24			0.0001		2.72	0.22	0.0001
	(l)			<0.0010	0.0002	0.02x	0.002x	0.0005	0.0005	0.25	0.10x	0.3	0.025		0.001x		2.7x	0.05x	0.0015
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.03	0.001	0.009	0.003		0.36	0.02	0.0036i	0.098	0.0205	0.09100	0.003					
	(b)		0.01x					0.25			<0.0050		0.12x						
	(c)		0.020	0.001	0.015	0.0016		0.21	0.016	0.0022i	0.030	0.021	0.047	0.0031					
	(d)		(0.0051)	(0.0007)	(0.0011)			(0.090)	(0.0005)	(0.00001)	(0.015)	(0.0125)	(0.0125)	(0.0023)					
	(e)		0.0062		0.0035	0.003		0.066	0.0032		0.0241	0.01	0.0219	0.005					
	(f)		0.03		0.028			0.076	0.032		0.033	0.011	0.03						
	(g)		0.023					0.146			0.02		0.022						
	(h)	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010		0.03x	<0.0010	<0.0010	0.02x	<0.0050	0.01x	<0.0030					
	(i)	0.05x	<0.0010	<0.0030	<0.0010	<0.0010		0.15x	<0.0010	<0.0010	0.01x	0.01x	0.08x	<0.0030					
	(j)	0.0001	0.00	<0.0001	<0.0001			(0.13)	<0.0001	<0.0001	0.0002	<0.0001	0.0004	<0.0001					
	(k)			0.0089				0.31			0.031		0.22						
	(l)	0.02x	0.0005	0.02x	0.003x			0.15x	0.02x	0.0012	0.03x	0.015	0.03x	0.004x					

AlMg-alloys

ALCAN-5754CAF	(a)	CRM	ALC-5754-CAF																	disc
VAW-2302-2	(b)	RM	AlMg, Ø 60x20 mm																	disc
VAW-2302-1	(c)	CRM	AlMg, Ø 60x20 mm																	disc
ALCOA-WB5052	(d)	CRM	AlMg, Ø 64x25 mm																	disc
ALSUI-525/04	(e)	CRM	AlMg, Ø 60x25 mm																	disc
ALCAN-5052CAL	(f)	CRM	ALC-5052-CAL																	disc
ALCAN-X5754AE	(g)	CRM	ALC-X5754-AE																	disc
ALCAN-X5754CAF	(h)	CRM	Alcan CRM for Alloy AA5754, 57mm x 25mm, ~170g																	disc
VAW-2301-1	(i)	CRM	AlMg, Ø 60x20 mm																	disc
SEI-NK54S-NDC2	(j)	CRM	AlMg: type 54S, Ø 55x25 mm																	disc
ALCAN-B320CAB	(k)	CRM	ALC-B320-CAB																	disc
ALCAN-74SAF	(l)	CRM	Al, divers, Ø 57x25 mm																	disc
			Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	Na	
	(a)			0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.0001	0.0001	(0.34)	<0.0001			<0.0001	(2.72)	(0.32)	0.0002	
	(b)				0.002		0.0005	0.0024		0.1	0.086	0.24				0.0001	2.76	0.23	0.0002	
	(c)		<0.0001	<0.001	0.0021	0.0001	0.0007	0.0009	<0.0002	0.1	0.088	0.24	0.01	<0.0001		<0.0001	2.78	0.22	<0.001	
	(d)									0.15x	0.02x	0.3					2.8x	0.10x		
	(e)				0.00053	0.024	0.0007	0.0008		0.327	0.066	0.313	0.021			0.0015	2.87	0.285	0.0013	
	(f)			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.21)	0.0001	(0.32)	<0.0001			<0.0001	(3.0)	0.0001	<0.0001	
	(g)				0.0011	0.0045	0.0024i	0.0009		0.051	0.057	0.35	0.029			0.0036i	3.18	0.45	0.0045i	
	(h)			0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0002	(0.34)	<0.0001	<0.0001		<0.0001	(3.05)	(0.45)	<0.0001	
	(i)		<0.0002	<0.0002	0.0012	<0.0002	0.0006	<0.0001	<0.0003	0.043	0.11	0.21	0.0088	<0.0002	<0.0001	0.0009	3.24	0.11	0.0019	
	(j)				0.0023					0.236	0.019	0.198					3.36	0.054		
	(k)					<0.001				<0.001	(0.003)	(0.78)	<0.001				(3.4)	(0.47)		
	(l)					0.02				0.03	0.08	0.17	0.02				3.41	0.08		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		<0.0001	0.0004	<0.0001	<0.0001		(0.18)	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001						
	(b)				0.0055			0.3			0.032		0.23							
	(c)		0.0009	<0.001	0.0037	<0.0002	<0.0001	0.29	<0.001	<0.0002	0.033	0.0029	0.22	0.0059						
	(d)		0.03x					0.08x			0.03x		0.03x							
	(e)		0.028		0.021	0.004		0.22	0.016		0.029	0.018	0.035	0.0058						
	(f)		<0.0001	0.0001	<0.0001	<0.0001		(0.08)	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001						
	(g)		0.031	0.0018	0.0038	0.0018		0.38	0.026	0.0017i	0.053	0.021	0.056	0.0024						
	(h)		<0.0001	0.0001	<0.0001	<0.0001		(0.35)	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001						
	(i)		0.0021	0.0005	0.0029	<0.0005	<0.0002	0.2	0.0013	<0.0001	0.038	0.0032	0.13	0.0037						
	(j)		0.046					0.194			0.035		0.058							
	(k)		<0.001		(0.002)			(0.76)	(0.001)		<0.001	<0.001	<0.001							
	(l)		0.03		0.03			0.17	0.02		0.07	0.01	2.87							

AlMg-alloys

ALSUI-532/01	(a)	CRM	AlMg, Ø 60x25 mm																	disc
ALSUI-536/01	(b)	CRM	AlMg, Ø 60x25 mm																	disc
ALCOA-WB5182	(c)	CRM	AlMg, Ø 64x25 mm																	disc
VAW-2501-1	(d)	RM	AlMg, Ø 60x20 mm																	disc
NIST-1241c	(e)	CRM	Aluminum Alloy 5182																	disc
ALCOA-SS5082	(f)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-KB514	(g)	CRM	AlMg, Ø 64x25 mm																	disc
ALCAN-5082CAB	(h)	CRM	ALC-5082-CAB																	disc
VAW-2507-2	(i)	CRM	AlMg, Ø 60x20 mm																	disc
VAW-2503-1	(j)	RM	AlMg, Ø 60x20 mm																	disc
ALCOA-SS5182	(k)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WA5056	(l)	CRM	AlMg, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.0005					0.005	0.012	0.011	0.0015			4.33	0.0009	(0,006)	
	(b)						(0,0019)				0.055	0.031	0.24				4.4	0.305		
	(c)					0.001x			0.001x		0.01x	0.07x	0.10x	0.02x			4.4x	0.45		
	(d)					0.0008		0.0002			0.041	0.044	0.236			0.0001	4.47	0.14	0.0012	
	(e)								(0.00062)		0.0343	0.0497	0.1997	0.0184			4.498	0.3792		
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.04x	0.04x	0.25	0.015	<0.0005	<0.0005	4.5x	0.04x	<0.0005		
	(g)				0.003x					<0.0050	0.02x	0.10x					4.5x	0.20x		
	(h)			<0.0001	<0.0001	<0.001	<0.0001			<0.001	<0.001	(0.20)	<0.001		<0.0001	(4.57)	<0.001	0.0002		
	(i)			<0.0003	0.005	0.027	0.0026	<0.0002	<0.0002	0.011	0.054	0.16	0.012		0.0026	4.57	0.1	0.0004		
	(j)				0.0026		0.0002			0.013	0.013	0.3			0.0045	4.6	0.2	0.0031		
	(k)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.03x	0.05x	0.20x	0.02x	<0.0005	<0.0005	4.6x	0.35	<0.0005		
	(l)				0.0001					0.11x	0.08x	0.20x	0.02x			4.7x	0.10x			
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.0043	0.0012	0.0044			0.009	0.0038		0.0005	0.0003	0.0008	0-0,0002						
	(b)		0.01					0.12			0.049		0.052							
	(c)		0.04x		0.006x			0.08x			0.01x	0.01x	0.10x							
	(d)							0.19			0.03		0.017							
	(e)		0.0198		(0.00052)			0.1601	(0.0002)	(0.0002)	0.0334	0.0174	0.0506	(0.002)						
	(f)		0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.12x	<0.0010	<0.0010	0.02x	0.01x	0.04x	<0.0030						
	(g)		<0.0050		0.06x			0.25	0.06x		0.05x		<0.0050	0.06x						
	(h)		<0.001	0.0002	<0.001			(0.08)	0.0004	<0.0001	<0.001	<0.001	<0.001	<0.001						
	(i)		0.0021		0.0068			0.22	0.0003		0.0096	0.0027	0.21	0.001						
	(j)		<0.003		0.0023			0.15			0.019		0.031							
	(k)		0.02x	<0.0010	0.001x	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.03x	0.01x	0.05x	<0.0030						
	(l)		0.05x					0.15x			<0.0050	0.01x	0.05x							

AlMg-alloys

ALSUI-533/03	(a)	CRM	AlMg, Ø 60x25 mm																	disc
ALCAN-5056CAC	(b)	CRM	ALC-5056-CAC																	disc
VAW-2506-2	(c)	CRM	AlMg, Ø 60x20 mm																	disc
VAW-2500-1	(d)	RM	AlMg, Ø 60x20 mm																	disc
ALCOA-SS5056	(e)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WC5056	(f)	CRM	AlMg, Ø 64x25 mm																	disc
ALSUI-534/01	(g)	CRM	AlMg, Ø 60x25 mm																	disc
ALCOA-WB5056	(h)	CRM	AlMg, Ø 64x25 mm																	disc
ALSUI-537C/1	(i)	CRM	Al, Ø 60x25 mm																	disc
ALSUI-535/01	(j)	CRM	AlMg, Ø 60x25 mm																	disc
ALSUI-571/01	(k)	CRM	AlMg, Ø 60x25 mm																	disc
ALCOA-SS535	(l)	CRM	AlMg, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)				(0.0007)	0.0041	0.0009	0.0019-0.0023	0.0015		0.102	0.0544	0.216			0.00022	5.03	0.102	0.0032-0.0035	
	(b)				<0.0001	<0.0001	<0.001	<0.0001			(0.10)	0.0003	(0.29)	<0.001		<0.0001	(5.06)	(0.14)	<0.0001	
	(c)				0.0002	0.0026	0.032	0.0002	<0.0002	<0.0002	0.077	0.081	0.26	0.011		0.0007	5.11	0.49	0.0013	
	(d)					0.0039		0.0006			0.11	0.047	0.27			0.0002	5.23	0.33	0.0011	
	(e)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.11x	0.08x	0.20x	0.02x	<0.0005	<0.0010	5.3x	0.10x	<0.0005		
	(f)				0.008x					0.20x	0.01x	0.4	0.02x			5.3x	0.05x			
	(g)									0.15	0.03	0.302			0.0014-0.0018	5.42	0.3	0.0019-0.0036		
	(h)				0.003x					0.11x	0.08x	0.20x	0.02x			5.8x	0.10x			
	(i)				0.00066		0.00174	0.002		0.0045	0.252	0.249	0.0049	0.0023	0-0.00005	5.83	0.147	0.00045		
	(j)				0.014					0.051	0.03	0.051				5.88	0.118	0.0063		
	(k)									0.012	0.1	0.15				6.5	0.2			
	(l)	<0.0010	<0.0010	<0.0010	0.0001	<0.0010	<0.0010	<0.0010	<0.0010	0.02x	0.03x	0.10x	0.015	<0.0010	<0.0010	7.0x	0.18x	<0.0010		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.0117		0.0022			0.319	0.0011	0.001	0.0188	0.0062	0.0311	0.0055						
	(b)		0.0005	0.0001	<0.001			(0.13)	<0.001	<0.0001	0.0006	<0.001	<0.001	0.0001						
	(c)		0.0022		0.0097			0.27	0.0003		0.088	0.0027	0.061	0.001						
	(d)				0.0006			0.31			0.038		0.14	0.003						
	(e)	0.05x	<0.0010	<0.0030	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.01x	0.01x	0.05x	<0.0030							
	(f)	0.02x		0.08x			0.25			<0.0050	0.01x	0.02x								
	(g)						0.145			0.1	0.0133	0.031								
	(h)	0.05x					0.15x			<0.0050	0.01x	0.05x								
	(i)	0.0508		0.01			0.091	0.0204		0.0192	0.0051	0.1016	0.0458							
	(j)	0.01		0.02			0.044			0.01		0.1								
	(k)	0.015					0.14			0.054		0.062								
	(l)	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	0.10x	<0.0030	<0.0010	0.18x	0.01x	0.03x	<0.0030							

ALCAN-A535.0AA	(a)	CRM	AlMg, Ø 57x25 mm																	disc
ALSUI-572/01	(b)	CRM	AlMg, Ø 60x25 mm																	disc
VAW-2602	(c)	RM	AlMg, Ø 60x20 mm																	disc
ALCOA-KA518	(d)	CRM	AlMg, Ø 64x25 mm																	disc
VAW-2601	(e)	RM	AlMg, Ø 60x20 mm																	disc
ALSUI-573/01	(f)	CRM	AlMg, Ø 60x25 mm																	disc
VAW-2600	(g)	RM	AlMg, Ø 60x20 mm																	disc
ALCOA-KA520	(h)	CRM	AlMg, Ø 64x25 mm																	disc
ALSUI-574/02	(i)	CRM	AlMg, Ø 60x25 mm																	disc
ALCAN-350CAU	(j)	CRM	ALC-350-CAU																	disc
SEI-NKAC7B-NDC2	(k)	CRM	AlMg: type AC7B, Ø 55x25 mm																	disc
ALCOA-SS520	(l)	CRM	AlMg, Ø 64x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.0012	0.043i	0.0025i	0.0012		0.053	0.053	0.17	0.021		0.0033	7.30	0.17	0.0019i	
	(b)					0.005						0.019	0.307				7.87	0.195		
	(c)			0.0008		0.0032					<0.01	0.006	0.25				7.95	0.48		
	(d)					0.004x					<0.0050	0.08x	1.0x				8.1x	0.05x		
	(e)					0.0045					<0.005	0.009	0.18				8.8	0.32		
	(f)					0.008						0.0105	0.198				8.97	0.112		
	(g)					0.0015					<0.01	0.014	0.09				9.35	0.11		
	(h)					0.002x					<0.0050	0.17x	0.10x				9.5x	0.02x		
	(i)					0.013					0.0043	0.046	0.106				9.88	0.026		
	(j)						<0.001				<0.001	(0.004)	(0.009)	<0.001			(10.00)	(0.001)		
	(k)					0.0046		0.0023			0.095	0.079	0.299				10.17	0.201		
	(l)	<0.0010	<0.0010	<0.0010	0.0001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	0.12x	0.20x	0.20x	0.02x	<0.0010	<0.0010	10.2	0.05x	<0.0010	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.052	0.0010i	0.044	0.0024		0.12	0.047	0.0025i	0.16	0.020	0.044	0.0048						
	(b)							0.42			0.064		0.126							
	(c)		<0.01					0.1			0.05		0.058							
	(d)		0.05x					0.20x	0.05x		0.01x		0.10x							
	(e)		<0.01					0.22			0.1		0.025							
	(f)							0.221			0.16		0.051							
	(g)		<0.01					0.26			0.14		0.012							
	(h)	<0.0050						0.20x			0.05x		0.08x							
	(i)	0.0044			0.014			0.096	0.016		0.097	0.007	0.024							
	(j)	<0.001			(0.002)			(0.006)	<0.001		<0.001	(0.001)	(0.002)							
	(k)	0.049			0.05			0.217	0.048		0.104		0.102							
	(l)	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010		0.15x	<0.0030	<0.0010	0.10x	0.01x	0.04x	<0.0030						

AlMg-alloys

MBH-511X G10H4 C(a)	RM	Al/Mg alloy, Ø50x20mm												disc
ALCOA-KB520 (b)	CRM	AlMg, Ø 64x25 mm												disc
MBH-511X G10H5 B (c)	CRM	Al/Mg Alloy, Ø 50x20 mm												disc
		Be	Cr	Cu	Fe	Li	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn
(a)		0.0061	0.083	0.163	0.193		10.24	0.228	0.117	0.08	0.244	0.075	0.155	0.117
(b)		0.005x		0.08x	0.3		10.6	0.08x			0.08x		0.01x	0.02x
(c)		0.0274	0.0017	0.0227	0.057	0.0032	13.97	0.098	0.036	0.165	0.05	0.013	0.0052	0.029

AlMg-samples for special price

PB AM1	(a)	RM	AlMg, Ø 57x25 mm											disc
PB AM2	(b)	RM	AlMg, Ø 57x25 mm											disc
PB AM3	(c)	RM	AlMg, Ø 57x25 mm											disc
PB AM5	(d)	RM	AlMg, Ø 57x25 mm											disc
PB AM6	(e)	RM	AlMg, Ø 57x25 mm											disc
PB AM7	(f)	RM	AlMg, Ø 57x25 mm											disc
PB AM8	(g)	RM	AlMg, Ø 57x25 mm											disc
PB AM9	(h)	RM	AlMg, Ø 57x25 mm											disc
PB AM11	(i)	RM	AlMg, Ø 57x25 mm											disc
PB AM12	(j)	RM	AlMg, Ø 57x25 mm											disc
PB AM13	(k)	RM	AlMg, Ø 57x25 mm											disc
PB AM14	(l)	RM	AlMg, Ø 57x25 mm											disc
			Cu	Fe	Mg	Mn	Si	Zn						
	(a)		0.059	0.49	6.18	0.66	0.24	0.031						
	(b)		0.048	(0.065)	5.07	0.28	0.53	0.10						
	(c)		0.063	0.64	3.90	0.48	0.46	0.16						
	(d)		0.095	0.17	2.05	0.23	0.44	0.078						
	(e)		0.054	0.50	0.84	0.73	1.14	0.13						
	(f)		0.097	0.32	0.57	0.066	0.68	0.10						
	(g)		0.077	0.43	0.74	0.54	1.14	0.26						
	(h)		0.16	0.66	0.13	1.30	0.21	0.068						
	(i)		0.010	0.025	0.41	0.003	0.014							
	(j)		0.017	0.016	0.89	0.010	0.020							
	(k)		0.009	0.062	1.89	-	0.021							
	(l)		0.056	0.031	2.85	0.025	0.042							

AlMg as Sets - individuals available

NCS HS49706A-1	(a)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49706A-2	(b)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49706A-3	(c)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49706A-4	(d)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49706A-5	(e)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49706A-6	(f)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49707A-1	(g)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49707A-2	(h)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49707A-3	(i)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49707A-4	(j)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49707A-5	(k)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49707A-6	(l)	CRM	Aluminium alloy, ø62x30mm	disc

	Be	Cr	Cu	Fe	Mg	Mn	Na	Ni	Si	Ti	Zn
(a)		0.252	0.045	0.202	3.95	0.168	(0.0028)	0.038	0.238	(0.3)	0.098
(b)		0.219	0.101	0.34	2.24	0.327	0.00011	0.233	0.462	0.046	0.052
(c)		0.123	0.153	0.444	2.9	0.495	0.0011	0.071	0.702	0.149	0.143
(d)		0.314	0.184	0.624	1.39	0.677	0.00014	0.097	0.788	0.188	0.235
(e)		0.042	0.0085	0.093	5.09	0.051		0.011	0.102	0.019	0.03
(f)		0.359	0.21	0.684	0.611	0.826		0.122	0.898	0.215	0.306
(g)	0.0061	0.106	0.167	0.301	8.46	0.137		0.164	0.195	0.142	0.118
(h)	0.044	0.192	0.09	0.364	5.33	0.366		0.06	0.304	0.0033	0.225
(i)	0.111	0.14	0.128	0.458	6.38	0.526		0.089	0.377	0.0068	0.156
(j)	0.0011	0.246	0.229	0.584	7.04	0.677		0.169	0.459	0.087	0.586
(k)	0.0087	0.0123	0.0074	0.134	10.14	0.065		0.146	0.078	0.007	0.038
(l)	0.00056	0.273	0.243	0.696	3.76	0.865		0.035	0.6	0.191	0.285

NCS HS49726-1	(a)	CRM	Aluminium Alloy	disc
NCS HS49726-2	(b)	CRM	Aluminium Alloy	disc
NCS HS49726-3	(c)	CRM	Aluminium Alloy	disc
NCS HS49726-4	(d)	CRM	Aluminium Alloy	disc
NCS HS49726-5	(e)	CRM	Aluminium Alloy	disc
NCS HS49729-1	(f)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-2	(g)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-3	(h)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-4	(i)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-5	(j)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-6	(k)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-7	(l)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-8	(m)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-9	(n)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-10	(o)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-11	(p)	CRM	Aluminium alloy, ø45x40mm	disc
NCS HS49729-12	(q)	CRM	Aluminium alloy, ø45x40mm	disc

	Cr	Cu	Fe	Li	Mg	Mn	Ni	Si	Ti	Zn	Zr
(a)		0.0025	0.034		1.2	0.0017	0.0093	0.027	0.009	0.0072	
(b)		0.0065	0.0097		1.88	0.0017	0.00088	0.0033	0.00084	0.013	
(c)		0.0038	0.012		1.63	0.0042	0.0036	0.0073	0.0042	0.0047	
(d)		0.011	0.027		2.1	0.011	0.0098	0.013	0.011	0.0012	
(e)		0.012	0.004		2.13	0.0013	0.00028	0.015	0.0006	0.0024	
(f)		(0.0025)	0.076	1.23	6			0.069			0.091
(g)		(0.0019)	0.129	2.25	5.49			0.086			0.073
(h)		0.042	0.227	1.98	4.29			0.222			0.109
(i)	0.023	0.04	0.163	1.35	4.95	0.015		0.056	0.026	0.022	0.057
(j)	0.047	0.012	0.075	1.5	3.84	0.053		0.129	0.079	0.094	0.14
(k)	0.046	0.1	0.055	1.54	3.81	0.045		0.132	0.091	0.093	(0.168)
(l)	(0.126)	0.42	0.089	1.03	2.18	0.03		0.098	(0.128)	0.058	0.143
(m)	0.103	0.824	0.043	2.52	0.68	0.097		0.025	0.134	0.041	0.042
(n)	0.073	1.11	0.148	1.99	1.33	0.081		0.15	0.092	0.146	0.077
(o)	0.058	1.6	0.264	1.63	1.62	0.138		0.214	0.07	(0.204)	0.061
(p)	0.021	1.22	0.112	2.12	0.193	0.032		0.118	0.01	0.107	0.082
(q)	0.029	1.46	0.094	2.48	0.291	0.082		0.136	0.0026	0.118	0.088

NCS HS49732-1	(a)	CRM	Aluminium Alloy	disc
NCS HS49732-2	(b)	CRM	Aluminium Alloy	disc
NCS HS49732-3	(c)	CRM	Aluminium Alloy	disc
NCS HS49732-4	(d)	CRM	Aluminium Alloy	disc
NCS HS49732-5	(e)	CRM	Aluminium Alloy	disc
NCS HS49732-6	(f)	CRM	Aluminium Alloy	disc
NCS HS49732-7	(g)	CRM	Aluminium Alloy	disc
NCS HS49734-1	(h)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49734-2	(i)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49734-3	(j)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49734-4	(k)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49734-5	(l)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49734-6	(m)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49734-7	(n)	CRM	Aluminium alloy, ø62x30mm	disc

	B	Be	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	Sc	Si	Ti	Zn
(a)	0.0068		0.0045	0.0052				0.018	0.0054	1.04							
(b)	0.001		(0.00022)						0.00012	1.09							
(c)	0.0011		0.00023	0.00025				0.0093	0.00058	0.092							
(d)	0.0032		0.019	0.0037				0.0097	0.039	0.106							
(e)	0.0015		0.00012	(0.00013)				0.411	0.0001	2.67							
(f)	0.00067		0.052	0.0098				0.069	0.0042	0.629							
(g)	0.004		0.0015	0.0111				0.04	0.0023	2.01							
(h)	0.001	0.00011			0.214	0.013	0.361			4.85	1.11		0.013	0.031	0.246	0.0094	0.101
(i)	0.002	0.0012			0.127	0.051	0.273			6.28	0.849		0.014	0.103	0.206	0.062	0.029
(j)	0.0027	0.0034			0.023	0.029	0.197			5.61	0.413		0.0097	0.181	0.131	0.029	0.044
(k)	0.0084	0.0051			0.134	0.072	0.155			7.11	0.14		0.035	0.236	0.05	0.178	0.135
(l)	0.006	0.00051			0.066	0.097	0.299			7.3	0.783		0.108	0.257	0.1	0.079	0.076
(m)		0.0013			(0.014)	0.012	0.089			5.19	0.341	(0.0005)	0.0066	0.349	0.049	0.04	0.008
(n)		0.0011			(0.013)	0.011	0.089			4.52	0.306	(0.0005)	0.0058	0.535	0.046	0.039	0.0074

Zr

(h)	0.035
(i)	0.162
(j)	0.092
(k)	0.22
(l)	0.055
(m)	(0.097)
(n)	0.088

NCS HS49736-1	(a)	CRM	Aluminium Alloy	disc
NCS HS49736-2	(b)	CRM	Aluminium Alloy	disc
NCS HS49736-3	(c)	CRM	Aluminium Alloy	disc
NCS HS49736-4	(d)	CRM	Aluminium Alloy	disc
NCS HS49736-5	(e)	CRM	Aluminium Alloy	disc
NCS HS49737-1	(f)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49737-2	(g)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49737-3	(h)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49737-4	(i)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49737-5	(j)	CRM	Aluminium alloy, ø62x30mm	disc
NCS HS49737-6	(k)	CRM	Aluminium alloy, ø62x30mm	disc

	Cd	Cr	Cu	Fe	Ga	Mg	Mn	Na	Ni	Pb	Si	Ti	V	Zn
(a)	0.00017		0.03	0.847	0.02	1.39	0.687	(0.0012)	0.0041	0.0085	0.658	0.039	0.102	0.052
(b)	0.0028		0.111	0.664	0.034	1.19	0.795	0.00025	0.018	0.016	0.488	0.105	0.068	0.109
(c)	0.0042		0.203	0.497	0.059	1.16	0.957	0.00055	0.055	0.011	0.194	0.091	0.056	0.206
(d)	0.0044		0.38	0.332	0.086	0.869	1.05	0.0013	0.071	0.0051	0.342	0.156	0.033	0.271
(e)	0.0058		0.298	0.209	0.096	0.712	1.18	(0.0016)	0.086	0.0016	0.056	0.201	0.018	0.33
(f)	0.00011	0.01	0.019	0.091		5.94	0.092	0.0002	0.007	0.0011	0.039	0.011		0.327
(g)	0.0068	0.11	0.168	0.238		5.16	0.478	0.00076	0.022	0.0075	0.086	0.129		
(h)	0.0053	0.067	0.072	0.314		4.56	0.37	0.0014	0.044	0.0068	0.138	0.074		0.258
(i)	0.0087	0.173	0.105	0.397		3.76	0.221	(0.001)	0.067	0.015	0.214	0.175		0.105
(j)	0.019	0.22	0.209	0.471		2.94	0.601	(0.00039)	0.107	0.023	0.296	0.235		0.05
(k)	0.0011	0.041	0.056	0.284		4.25	0.342	0.00013	0.022	0.0034	0.116	0.041		0.055

AlMg only as Set

NCS HS50712-1	(a)	CRM	Aluminium Z L D203 (only available as set of 5)	disc
NCS HS50712-2	(b)	CRM	Aluminium Z L D203 (only available as set of 5)	disc
NCS HS50712-3	(c)	CRM	Aluminium Z L D203 (only available as set of 5)	disc
NCS HS50712-4	(d)	CRM	Aluminium Z L D203 (only available as set of 5)	disc
NCS HS50712-5	(e)	CRM	Aluminium Z L D203 (only available as set of 5)	disc
NCS HS53704-1	(f)	CRM	Aluminium Alloy (only available as set of 5)	disc
NCS HS53704-2	(g)	CRM	Aluminium Alloy (only available as set of 5)	disc
NCS HS53704-3	(h)	CRM	Aluminium Alloy (only available as set of 5)	disc
NCS HS53704-4	(i)	CRM	Aluminium Alloy (only available as set of 5)	disc
NCS HS53704-5	(j)	CRM	Aluminium Alloy (only available as set of 5)	disc

	Be	Cr	Cu	Fe	Mg	Mn	Ni	Si	Ti	Zn
(a)			0.28	1	3.78	0.48		1.73		0.41
(b)			0.17	0.7	4.34	0.32		0.85		0.22
(c)			0.1	0.46	5.3	0.172		1.13		0.164
(d)			0.055	0.29	6.57	0.11		0.65		0.11
(e)			0.036	0.17	7.68	0.063		0.48		0.071
(f)	0.000498	0.13	0.222	1.17	1.71	1.04	0.153	0.907	0.218	0.293
(g)	0.000158	0.066	0.083	0.392	3.41	0.417	0.076	0.587	0.1	0.031
(h)	0.00528	0.391	0.117	0.654	4.72	0.215	0.102	0.379	0.168	0.178
(i)	0.00146	0.022	0.033	0.248	6.62	0.742	0.034	0.187	0.021	0.111
(j)	0.00315	0.183	0.012	0.122	7.81	0.102	0.023	0.082	0.06	0.047

AlMgSi-alloys

Code	Product																		Unit	
VAW-2002-1	(a)	CRM	AlMg, Ø 60x20 mm																disc	
SEI-NK63SND9	(b)	CRM	AlMg: type 63S, Ø 55x25 mm																disc	
VAW-2013-1	(c)	CRM	AlMg0,7Si ø60x20mm																disc	
ALCAN-A6005CAF	(d)	CRM	ALC-A6005-CAF																disc	
VAW-2003-1	(e)	CRM	AlMg, Ø 60x20 mm																disc	
SEI-NK63SND5	(f)	RM	AlMg: type 63S, Ø 55x25 mm																disc	
ALCOA-WB6000	(g)	CRM	AlMg, Ø 64x25 mm																disc	
ALCAN-6008AA	(h)	CRM	AlCu, Ø 57x25 mm																disc	
ALCOA-SS6022	(i)	CRM	Al/Si/Mg, Alloy 6022, Ø64mm x 25mm																disc	
ALSUI-662/02	(j)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc	
VAW-2004	(k)	RM	AlMg, Ø 60x20 mm																disc	
			B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	
	(a)									0.0014	0.0074	0.19		0.0006	0.44	0.011	0.0007	0.0015		
	(b)		0.0004		0.001	0.0053	0.0005	0.0021	0.0009	0.0086	0.0081	0.202	0.012	0.0001	0.481	0.01	0.0003	0.0081		
	(c)		0.0007		0.0009	0.0048	0.0009	0.0007	0.001	0.017	0.057	0.2	0.02	0.0009	0.49	0.052	0.0008	0.016	0.0022	
	(d)		0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.12)	(0.22)	<0.0001	<0.0001	(0.52)	(0.23)	0.00010	<0.0001	0.0002	
	(e)		<0.001			0.0003				0.002	0.0071	0.18	0.011	0.0005	0.57	0.03	0.0006	0.0028		
	(f)		0.0006	0.001	0.0004	0.0009	0.0003		0.0004	0.0013	0.0021	0.3	0.0044	0.0002	0.582	0.0017	0.0005	0.001		
	(g)									0.03x	0.10x	0.3			0.6	0.03x		0.03x		
	(h)				0.0012	0.0080	0.0035	0.0014		0.015	0.30	0.21	0.021	0,0024i	0.60	0.067	0.0029i	0.030	0.004	
	(i)									0.0298	0.07	0.126	0.0155		0.6	0.073				
	(j)		0.0003				0.0013			0.147	0.212	0.32			0.601	0.07	0.0006	0.0012		
	(k)									0.0019	0.013	0.19			0.61	0.015				
			Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)				0.48			0.012	0.0018	0.018	0.0025									
	(b)		0.0079		0.457	0.0079	0.0007	0.0091	0.01	0.0096	0.0083									
	(c)		0.0073	0.0024	0.48	0.01	0.0008	0.02	0.015	0.022	0.0019									
	(d)		<0.0001	<0.0001	(0.79)	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001									
	(e)		0.0011		0.62			0.022	0.002	0.03	0.0026									
	(f)		0.0013		0.527	0.0018	0.0004	0.0005	0.001	0.0012	0.0008									
	(g)				0.6			0.03x		0.03x										
	(h)		0.0080	0.0032	0.67	0.013	0.0031	0.030	0.10	0.019	0.0030									
	(i)				0.89			0.0395	0.0109	0.1										
	(j)		0.005	0.0053	0.7	0.0052		0.0048	0.0042	0.1	0.0028									
	(k)				0.54			0.012		0.011										

ALCAN-A6005AE	(a)	CRM	AlZn, Ø 57x25 mm																	disc
ALSUI-614/05	(b)	CRM	CRM for Alloy Set 610, AlMgSi, 614/05, 60mm x 25mm, ~200g																	disc
ALSUI-451/05	(c)	CRM	AlSiMg, Ø 60 x 25 mm																	disc
ALSUI-451/04	(d)	CRM	AlSiMg, Ø 60 x 25 mm																	disc
ALSUI-661/01	(e)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCAN-6006AC	(f)	CRM	AlCu, Ø 57x25 mm																	disc
ALSUI-661/02	(g)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCAN-6201AD	(h)	CRM	Al, pure, Ø 57x25 mm																	disc
ALCAN-A6181-AA	(i)	CRM	Alcan CRM for Alloy AA6181, Ø57mm x 25mm																	disc
ALCOA-SS6201	(j)	CRM	Al, divers, Ø 64x25 mm																	disc
ALCOA-WC6000	(k)	CRM	AlMg, Ø 64x25 mm																	disc
ALCAN-6261CAB	(l)	CRM	ALC-6261-CAB																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.0013	0.010	0.0031	0.0012		0.019	0.12	0.22	0.022		0.0019i	0.61	0.24	0.0015i	
	(b)			0.0033			0.0078	0.0011-0.0014	0.0016	0.0041	0.0209	0.0299	0.246		0.0033	0.0003	0.616	0.0518	0.0007-0.0011	
	(c)					0.0005		0.0012	0.0007		0.0022	0.051	0.12	0.0079	0.0007		0.63	0.0077	0.00097	
	(d)					0.0005		0.0012	0.0007		0.0022	0.051	0.12	0.0079	0.0007		0.63	0.0077	0.0007-0.0010	
	(e)										0.052	0.045	0.28				0.68	0.053	(0.0005)	
	(f)					0.0012	0.0049	0.0034	0.0012		0.090	0.20	0.24	0.021		0.0029i	0.70	0.20	0.0023i	
	(g)			(0.0001)							0.052	0.057	0.306				0.717	0.05	0.0004	
	(h)					0.0013	0.030	0.0033i	0.0015		0.019	0.021	0.25	0.024		0.0028i	0.72	0.018	0.0026i	
	(i)					0.0012	0.007	0.0041i	0.0011		0.059	0.14	0.27	0.020		0.0022i	0.73	0.16	0.0029i	
	(j)	<0.0010	<0.0010	0.02x	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	<0.0050	0.03x	0.10x	0.3	0.02x	<0.0005	<0.0005	0.75	0.01x	<0.0005	
	(k)									0.03x	0.10x	0.3					0.75	0.03x		
	(l)				<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0001	(0.31)	(0.26)	<0.0001		<0.0001	(0.76)	(0.29)	<0.0001	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.031	0.0032	0.0084	0.0036		0.84	0.017	0.0030	0.031	0.020	0.030	0.0032						
	(b)		0.0095	0.0032	0.0052	0.0035		0.63	0.0055		0.0303	0.0166	0.0523	0.0016						
	(c)	(0.006)	0.0016	0.0016				6.93	0.0009	0.0208	0.093	0.0048	0.0054	0.0014						
	(d)	0.0049	0.0016	0.0016				6.93	0.0009	0.0184-0.0204	0.093	0.0048	0.0054	0.0014						
	(e)			(0.002)				0.62			0.053	0.0758	0.11	0.001						
	(f)	0.031	0.0034	0.0039	0.0034			0.71	0.0035	0.0034	0.031	0.021	0.029	0.0033						
	(g)	0.0032	0.0024	0.0025				0.619			0.051	0.08	0.113	0.0012						
	(h)	0.022	0.0046i	0.019	0.0043			0.68	0.021	0.0031i	0.020	0.022	0.021	0.0032						
	(i)	0.031	0.002	0.0086	0.003			0.86	0.019	0.0028i	0.030	0.020	0.073	0.0029						
	(j)	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010		0.75	<0.0010	<0.0010	<0.0050	<0.0050	0.02x	<0.0030						
	(k)	0.03x						0.6			0.03x		0.03x							
	(l)	0.0001	0.0001	<0.0001	0.0002			(0.64)	<0.0001	<0.0001	0.0005	0.0001	<0.0001	<0.0001						

AlMgSi-alloys

ALCOA-ST1-6000	(a)	CRM	Al, divers, Ø 64x25 mm																	disc
ALSUI-652/01	(b)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
IARM-109C-G	(c)	prov	AA6061 No #s																	Each
ALCAN-6261AD	(d)	CRM	Al, divers, Ø 57x25 mm																	disc
ALCOA-WR6000	(e)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WS6000	(f)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WK6000	(g)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WL6000	(h)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WM6000	(i)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WT6000	(j)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WU6000	(k)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WV6000	(l)	CRM	AlMg, Ø 64x25 mm																	disc
			Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	
		(a)	<0.0010	<0.0005	0.0005	0.001x		0.001x	0.001x	0.15x	0.15x	0.3	0.02x		0.8	0.05x		0.05x		
		(b)				0.57		0.117		0.025	0.4	0.309			0.82	0.39		0.012		
		(c)		[(0.001)]		[(0.001)]	[(0.001)]		[(0.001)]	[0.10]	[0.30]	[0.53]	[0.013]		[0.83]	[0.11]		[0.012]	[(0.001)]	
		(d)			0.0011	0.0072i	0.0030i	0.0013		0.062	0.27	0.22	0.020	0.0020i	0.84	0.28	0.0026i	0.031	0.0023	
		(e)								0.01x	0.02x	0.25			0.9	0.08x		0.05x		
		(f)								0.03x	0.05x	0.35			0.9	0.02x		0.01x		
		(g)								0.03x	0.10x	0.3			0.9	0.03x		0.03x		
		(h)								0.03x	0.10x	0.3			0.9	0.03x		0.03x		
		(i)								0.03x	0.10x	0.3			0.9	0.03x		0.03x		
		(j)								0.08x	0.10x	0.15x			0.9	0.04x		0.03x		
		(k)								0.35	0.18x	0.65			0.9	0.04x		0.03x		
		(l)								0.15x	0.3	0.8			0.9	0.15x		0.01x		
			Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
		(a)	0.003x	0.001x	0.55	0.001x	0.001x	0.04x	0.01x	0.08x	0.001x									
		(b)	0.52		0.548			0.034	0.013	0.023										
		(c)	[0.007]		[0.61]	[(0.002)]		[0.018]	[0.009]	[0.12]	[0.002]									
		(d)	0.0075	0.0029	0.64	0.012	0.0029i	0.079	0.022	0.11	0.0034									
		(e)			0.6			0.03x		0.08x										
		(f)			0.6			0.08x		0.04x										
		(g)			0.5			0.03x		0.03x										
		(h)			0.7			0.03x		0.03x										
		(i)			0.9			0.03x		0.03x										
		(j)			0.6			0.01x		0.02x										
		(k)			0.6			0.02x		0.15x										
		(l)			0.6			0.10x		0.08x										

ALCOA-WW6000	(a)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WD6000	(b)	CRM	AlMg, Ø 64x25 mm																	disc
CTIF-ASG-1-1	(c)	CRM	Al-Si-Mg alloy, Ø60mm x 5mm																	disc
ALSUI-663/02	(d)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALSUI-651/01	(e)	CRM	AlSi, AlSiCu, Ø 60x25 mm																	disc
ALCAN-6061AR	(f)	CRM	Al pure, Ø 57x25 mm																	disc
ALCOA-SS6262	(g)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WA6061	(h)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-SS6061	(i)	CRM	AlMg, Ø 64x25 mm																	disc
SEI-NK61S-NDC2	(j)	CRM	AlMg: type 61S, Ø 55x25 mm																	disc
SEI-NK6061-NDC3	(k)	RM	AlMg: type 6061, Ø 55x25 mm																	disc
VAW-2100-1	(l)	RM	AlMg, Ø 60x20 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)										0.25	0.45	0.5				0.9	0.08x		
	(b)										0.03x	0.10x	0.3				0.95	0.03x		
	(c)					0.046					0.102	0.31	0.244				0.96	0.097		
	(d)										0.35	0.25	0.2				1	0.012		
	(e)						0.48		0.029		0.012	0.29	0.198				1.03	0.3		
	(f)					0.0012	0.0069i	0.0032i	0.0013		0.21	0.36	0.33	0.019		0.0022i	1.03	0.081	0.0021i	
	(g)	<0.0010	<0.0010	<0.0010	<0.0005	0.58	<0.0005	<0.0010	<0.0010		0.04x	0.3	0.35	0.02x	<0.0005	<0.0005	1.0x	0.05x	<0.0005	
	(h)										0.05x	0.3	0.35	0.02x			1.0x	0.05x		
	(i)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010		0.23	0.3	0.35	0.02x	<0.0005	<0.0005	1.0x	0.05x	<0.0005	
	(j)					0.002					0.203	0.313	0.708	0.035			1.1	0.122		
	(k)					0.002					0.203	0.313	0.708	0.035			1.1	0.122		
	(l)					0.006		0.0012			0.18	0.015	0.88			0.0005	1.19	0.32	0.0011	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.05x					0.6			0.05x		0.04x							
	(b)		0.03x					0.6			0.03x		0.03x							
	(c)		0.10		0.0486			0.83	0.069		0.063		(0.007)							
	(d)		0.006					0.61			0.071	0.021	0.012							
	(e)		0.0062		0.39			0.597			0.013	0.0071	0.053							
	(f)		0.031	0.0017	0.0081	0.0019		0.73	0.020	0.0025i	0.040	0.020	0.040	0.0018						
	(g)		0.03x	<0.0010	0.58	<0.0010	<0.0010	0.6	<0.0010	<0.0010	0.05x	0.01x	0.05x	<0.0030						
	(h)		0.05x					0.6			0.05x	0.01x	0.12x							
	(i)		0.05x	<0.0010	<0.0030	<0.0010	<0.0010	0.65	<0.0010	<0.0010	0.04x	0.01x	0.08x	<0.0030						
	(j)		0.0074					0.557			0.071	0.0064	0.096	0.134						
	(k)		0.0074					0.557			0.071	0.0064	0.096	0.134						
	(l)				0.002			0.89			0.041		0.22							

AlMgSi-alloys

VAW-2100-2	(a)	RM	AlMg, Ø 60x20 mm																	disc
ALCOA-WF6000	(b)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-SS6053	(c)	CRM	AlMg, Ø 64x25 mm																	disc
ALCOA-WG6000	(d)	CRM	AlMg, Ø 64x25 mm																	disc
ALSUI-637C/01	(e)	CRM	AlSiMg, Ø 60x26 mm																	disc
ALCAN-4104AE	(f)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-4104CAD	(g)	CRM	Rio Tinto Alcan CRM for Alloy AA4104, 57mm x 25mm, ~170g																	disc
ALSUI-561/01	(h)	CRM	AlMg, Ø 60x25 mm																	disc
ALCAN-A320AC	(i)	CRM	AlMg, Ø 57x25 mm																	disc
VAW-2550	(j)	RM	AlMg, Ø 60x20 mm																	disc
VAW-2511-1	(k)	CRM	AlMg, Ø 60x20 mm																	disc
ALCAN-6475CAB	(l)	CRM	ALC-6475-CAB																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.0058		0.0012			0.18	0.053	0.9			0.0005	1.19	0.32	0.001	
	(b)										0.03x	0.10x	0.3				1.2x	0.03x		
	(c)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.25	0.05x	0.3	0.015	<0.0005	<0.0005		1.2x	0.02x	<0.0005	
	(d)									0.03x	0.10x	0.3					1.4x	0.03x		
	(e)									0.3514	0.379	0.377	0.0495				1.468	0.304		
	(f)				0.0012	0.11	0.0029	0.0013		0.030	0.10	0.59	0.019		0.0024		1.48	0.050	0.0024	
	(g)			0.0002	<0.0001	(0.10)	<0.0001	0.0001	<0.0001	0.0001	(0.10)	(0.60)	<0.0001		<0.0001		(1.60)	0.0010	<0.0001	
	(h)				0.0121			0.0009		0.025	0.0245	0.253	0.019				2.75	0.28	(0,0043)	
	(i)				0.005	0.037				0.020	0.057	0.20	0.018				4.10	0.036		
	(j)				0.004					<0.01	0.31	0.2					4.48	0.025		
	(k)				0.0003		0.0003			0.0025	0.015	0.33			0.0004		4.92	0.29	0.0022	
	(l)					<0.001				<0.001	(0.51)			(0.001)			(5.0)	<0.001		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)							0.89			0.042		0.22							
	(b)	0.03x						0.6			0.03x		0.03x							
	(c)	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	0.7	<0.0010	<0.0010	0.03x	0.01x	0.05x	<0.0030							
	(d)	0.03x					0.6			0.03x		0.03x								
	(e)	0.1026		0.02			1.569	0.0022		0.0648	0.0291	0.0011	0.0515							
	(f)	0.030	0.0027	0.028	0.0028		10.06	0.033	0.0030	0.027	0.019	0.10	0.0025							
	(g)	0.0004	0.0002	0.002	0.0011		(10.0)	<0.0001	0.0001	0.0002	<0.0001	0.0005	<0.0001							
	(h)	0.0458		0.0444			1.17	0.0323		0.012	0.017	0.021								
	(i)	0.032		0.042			0.54	0.038		0.15	0.012	0.047								
	(j)	<0.01					1.73			0.05	<0.01	0.022	<0.01							
	(k)						1.2			0.036		0.042								
	(l)	<0.001		<0.001			(1.05)	<0.001		<0.001	(0.002)	<0.001								

VAW-2510-2	(a)	CRM	AlMg, Ø 60x20 mm																	disc
VAW-2552	(b)	RM	AlMg, Ø 60x20 mm																	disc
ALSUI-565/03	(c)	CRM	AlMg, Ø 60x25 mm																	disc
VAW-2652-2	(d)	CRM	AlMg, Ø 60x20 mm																	disc
VAW-2650	(e)	RM	AlMg, Ø 60x20 mm																	disc
			Al	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	Pb	
	(a)			<0.0002	0.0004		0.0007		0.0002	0.0035	0.037	0.37	0.0042	0.0052	5.01	0.21	0.0079	0.0047	0.0089	
	(b)				0.0034					<0.01	0.48	0.09			5.39	0.026		<0.01		
	(c)				0.0099						0.05	0.5			7.01	0.437				
	(d)	(89)		<0.0002	0.00316	0.00017	0.00045	0.00139		0.00541	0.0472	0.831	0.0102	0.00072	7.75	0.513	0.00086	0.00537	0.00342	
	(e)				0.0017					<0.005	0.016	0.65			9.5	0.17		<0.005		
			Si	Sn	Sr	Ti	V	Zn	Zr											
	(a)		0.98	0.0088		0.046	0.0099	0.022	0.011											
	(b)		1.15			0.05	<0.01	0.028	<0.01											
	(c)		1.84			(0,21)		0.031												
	(d)		1.765	0.00315	0.00054	0.0595	0.00843	0.0225	0.00429											
	(e)		2.56			0.14		0.038	<0.005											

AlMgZn-alloys

Code	Product																		Unit
ALPEC-246	(a)	CRM	AlZn, Ø 55x30 mm																disc
ALCOA-SS712	(b)	CRM	AlZn, Ø 64x25 mm																disc
MBH-58X G40H8 B	(c)	RM	Al/Zn Alloy, Ø 40x15 mm																disc
ALCAN-7003CAB	(d)	CRM	ALC-7003-CAB																disc
VAW-5010-1	(e)	CRM	AlZn5Mg1, Ø 60x20 mm																disc
SEI-NK7003-NDC2	(f)	CRM	AlZn: type 7003, Ø 55x25 mm																disc
VAW-5004-1	(g)	RM	AlZnMg, Ø 60x20 mm																disc
SEI-NK7003-NDC	(h)	CRM	AlZn: type 7003, Ø 55x25 mm																disc
ALSUI-721/01	(i)	CRM	AlZn, Ø 60x25 mm																disc
ALCAN-7003AC	(j)	CRM	AlZn, Ø 57x25 mm																disc
ALCAN-6348AC	(k)	CRM	AlZn, Ø 57x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)					0.0059					0.392	0.394	0.673				0.504	0.308	
	(b)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.5	0.15x	0.5	0.015	<0.0010	<0.0010	0.65	0.10x	<0.0010
	(c)										0.22	0.14	0.3				0.69	0.2	
	(d)					<0.001	<0.001	0.0001			<0.001	(0.004)	(0.002)	<0.001		<0.0001	(0.70)	<0.001	0.0001
	(e)				0.0005			0.0011			0.021	0.011	0.15			0.0008	0.73	0.022	0.0009
	(f)											0.211	0.263				0.747	0.0016	
	(g)										0.22	0.049	0.27				0.75	0.29	
	(h)					0.003					0.208	0.217	0.301				0.768	0.203	
	(i)										0.09	0.05	0.2				0.81	0.15	
	(j)					0.0012	0.007	0.0026	0.0016		0.18	0.15	0.28	0.020		0.0032	0.90	0.12	0.0030i
	(k)					0.0012	0.055	0.0032	0.0012		0.180	0.082	0.093	0.020		0.0024	0.91	0.087	0.0028i
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.0029		0.050			0.260	0.050		0.0051		4.93	0.0103					
	(b)		<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.20x	<0.0010	<0.0010	0.15x	0.01x	5.9x	<0.0030					
	(c)		0.22		0.09			0.1	0.01		0.063		6.5	(0.004)					
	(d)		<0.001		<0.001			(0.001)	<0.001		<0.001	<0.001	(5.60)						
	(e)		0.012					0.079			0.018		5.61	0.14					
	(f)							0.14			0.023		6.56	0.225					
	(g)		<0.005					0.29			0.044		4.8	0.21					
	(h)		0.046					0.263			0.081	0.0047	5.3	0.183					
	(i)		0.011					0.1			0.01		3.7	0.05					
	(j)		0.030	0.0031	0.008	0.0035		0.14	0.017	0.0029	0.032	0.019	6.23	0.17					
	(k)		0.052	0.0032i	0.044	0.0041		0.081	0.047	0.0034	0.17	0.023	6.94	0.0031					

MBH-58X G40H9 C	(a)	CRM	Al/Zn Alloy, Ø 50x20 mm															disc
VAW-5003-1	(b)	RM	AlZnMg, Ø 60x20 mm															disc
ALPEC-756	(c)	CRM	AlZnMg, Ø 55 x 32 mm															disc
ALSUI-714/02	(d)	CRM	AlZn, Ø 60x25 mm															disc
NIST-1258-I	(e)	CRM	Aluminum Alloy 6011															disc
ALPEC-254	(f)	CRM	AlZn, Ø 55x30 mm															disc
ALCAN-7018CAB	(g)	CRM	Rio Tinto Alcan CRM for Alloy AA7018, 57mm x 25mm, ~170g															disc
ALCAN-7018AC	(h)	CRM	AlZn, Ø 57x25 mm															disc
VAW-5055	(i)	RM	AlZnMg, Ø 60x20 mm															disc
VAW-5005	(j)	RM	AlZnMg, Ø 60x20 mm															disc
VAW-5009	(k)	RM	AlZnMg, Ø 60x20 mm															disc
VAW-5001-1	(l)	RM	AlZnMg, Ø 60x20 mm															disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)		(0.0001)				0.015	0.241	0.172	0.32			0.96	0.0372		0.062		0.19
	(b)							0.047	0.022	0.18			0.97	0.096		<0.005		
	(c)		0.0020					0.270	0.0127	0.105			0.971	0.050		0.0093		0.0089
	(d)		0.0005					0.092	0.0105	0.1			0.98	0.013		0.011		
	(e)		(<0.0001)					(0.0011)	0.848	0.080	(0.011)		1.00	0.481		(0.0006)		
	(f)		0-0.0002					0.0960	0.1490	0.2720			1.01	0.2200		0.0490		0.0520
	(g)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	(0.14)	(0.15)	(0.39)	0.0001	<0.0001	(1.03)	(0.29)	<0.0001	0.0003	0.0001	0.0001
	(h)		0.0010	0.0069	0,0033i	0.0012		0.12	0.16	0.33	0.019	0.0027i	1.09	0.30	0.0028i	0.074	0.0021	0.0079
	(i)							0.07	0.054	0.18			1.09	0.26				
	(j)							0.087	0.097	0.2			1.11	0.22		<0.005		0.003
	(k)							0.053	0.003	0.17			1.18	0.033				
	(l)							0.098	0.048	0.22			1.18	0.2		<0.005		
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		0.347	0.068		0.279		4.83	0.157									
	(b)		0.1			0.026		4.29	0.15									
	(c)		0.128	0.0093		0.0099		5.79	0.1889									
	(d)		0.1			0.057		3.65										
	(e)		0.80			(0.040)		1.03										
	(f)		0.1490	0.0530		0.1240		2.00										
	(g)	0.0001	(0.20)	<0.0001	<0.0001	0.0002	0.0001	(4.81)	(0.14)									
	(h)	0.0028	0.20	0.015	0.0036i	0.080	0.018	4.87	0.16									
	(i)		0.09			0.051		5.63	0.17									
	(j)		0.14			0.068		4.73	0.2									
	(k)		0.09			0.027		5.74	0.15									
	(l)		0.13			0.056		4.75	0.086									

AlMgZn-alloys

VAW-5054	(a)	RM	AlZnMg, Ø 60x20 mm																disc	
VAW-5106-1	(b)	CRM	Al ZnMgCu, Ø 60x20 mm																disc	
ALSUI-731/01	(c)	CRM	AlZn, Ø 60x25 mm																disc	
VAW-5002-1	(d)	RM	AlZnMg, Ø 60x20 mm																disc	
MBH-58X G40H10 C	(e)	CRM	Al/Zn Alloy, Ø 50x20 mm																disc	
ALCAN-6392AC	(f)	CRM	AlZn, Ø 57x25 mm																disc	
VAW-5053	(g)	RM	AlZnMg, Ø 60x20 mm																disc	
ALCOA-SS6253	(h)	CRM	AlMg, Ø 64x25 mm																disc	
ALCOA-ST2-7000	(i)	CRM	ASM-ST2-7000																disc	
ALCOA-SS7046	(j)	CRM	AlZn, Ø 64x25 mm																disc	
ALCAN-7146CAD	(k)	CRM	ALC-7146-CAD																disc	
VAW-5052	(l)	RM	AlZnMg, Ø 60x20 mm																disc	
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)										0.18	0.075	0.19				1.2	0.27		
	(b)				0.0005			0.001			0.02	0.29	0.15			0.001	1.23	0.022	0.0014	
	(c)										0.019	0.58	0.19				1.23	0.15		
	(d)										0.17	0.047	0.22				1.23	0.24		
	(e)					(0.0003)				0.05	0.468	0.188	0.361				1.25	0.269		
	(f)					(0.006)	0.042				0.051	0.10	0.11	0.021			1.26	0.055		
	(g)										0.12	0.048	0.19				1.29	0.26		
	(h)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.22x	0.05x	0.25	0.015	<0.0005	<0.0005	1.3x	0.02x	<0.0005	
	(i)		0.001x		<0.0005	0.0005	0.001x		0.001x	0.001x	0.10x	0.15x	0.25	0.02x			1.3x	0.20x		
	(j)		<0.0010	<0.0010	<0.0010	0.002x	<0.0010	<0.0005	<0.0010	<0.0010	0.10x	0.15x	0.14x	0.02x	<0.0005	<0.0005	1.3x	0.20x	<0.0005	
	(k)					<0.0001	<0.0001	<0.0001			0.0011	0.0006	0.33	0.014		<0.0001	1.39	0.0029	0.0002	
	(l)										0.15	0.059	0.19				1.4	0.26		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)							0.095			0.05		4.82	0.17						
	(b)		0.017					0.078			0.017		5.52	0.13						
	(c)							0.15			0.008		4							
	(d)		<0.005					0.25			0.054		4.7	0.17						
	(e)		0.097		0.044			0.224	0.042		0.187		4.66	0.215						
	(f)		0.046		0.044			0.10	0.042		0.043	0.011	4.26							
	(g)							0.094					4.03	0.16						
	(h)		0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.7	<0.0010	<0.0010	0.02x	0.01x	2.0x	<0.0030						
	(i)		0.02x		0.003x	0.001x		0.15x	0.001x	0.001x	0.04x	0.01x	3.5x	0.001x						
	(j)		<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.12x	<0.0010	<0.0010	0.04x	0.01x	7.1x	0.12x						
	(k)		0.0043	<0.0001	0.0027	<0.0001		0.22	0.0004	0.0002	0.0065	0.010	6.40	0.15						
	(l)							0.09			0.042		2.99	0.16						

ALCAN-7146CAE	(a)	CRM	ALC-7146-CAE																	disc
ALCAN-7146AA	(b)	CRM	AlZn, Ø 57x25 mm																	disc
MBH-59X G77J4 E	(c)	CRM	Al/Zn/Mg/Cu Alloy, Ø 40x15 mm																	disc
ALPEC-248	(d)	CRM	AlZn, Ø 55x30 mm																	disc
VAW-5051	(e)	RM	AlZnMg, Ø 60x20 mm																	disc
ALCOA-SS7021	(f)	CRM	AlZn, Ø 64x25 mm																	disc
ALCAN-7021AC	(g)	CRM	AlZn, Ø 57x25 mm																	disc
ALCAN-7021CAB	(h)	CRM	Rio Tinto Alcan CRM for Alloy AA7021, 57mm x 25mm, ~170g																	disc
ALCOA-SS7029	(i)	CRM	AlZn, Ø 64x25 mm																	disc
VAW-5050	(j)	RM	AlZnMg, Ø 60x20 mm																	disc
VAW-5006	(k)	RM	AlZnMg, Ø 60x20 mm																	disc
ALCAN-74SCAB	(l)	CRM	ALC-74S-CAB																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)												0.34				1.41			
	(b)						0.025				0.028	0.031	0.36	0.015			1.41	0.037		
	(c)								0.00054		0.071	0.81	1.04				1.47	0.224		
	(d)					0.0002					0.056	0.258	0.375				1.49	0.418		
	(e)										0.17	0.056	0.18				1.55	0.26		
	(f)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.03x	0.08x	0.30x	0.02x	<0.0005	<0.0005	<0.0005	1.5x	0.05x	<0.0005	
	(g)					0.031	0.0022			0.025	0.050	0.28	0.015		0.0007		1.60	0.059	0.0005	
	(h)					(0.002)	<0.0001			<0.001	(0.003)	0.006				<0.0001	(1.60)	<0.001	0.0001	
	(i)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	<0.0050	0.75	0.10x	0.015	<0.0005	<0.0005	<0.0005	1.7x	0.02x	<0.0005	
	(j)									0.1	0.06	0.18					1.74	0.26		
	(k)									0.048	0.083	0.2					1.8	0.24		
	(l)				<0.0001	<0.0001	<0.0001	0.0001			0.0001	0.002	0.004	0.0002		<0.0001	(1.90)	0.0001	0.0001	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)							0.23					7.64	0.001						
	(b)		0.036		0.030			0.22	0.032		0.042	0.011	6.86	0.16						
	(c)		0.0037		0.073			0.59	0.219		0.119	0.0067	5.3	0.08						
	(d)		0.035		0.100			0.460	0.101		0.153		4.90	0.055						
	(e)							0.097			0.04		2	0.15						
	(f)	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.12x	<0.0010	<0.0010	0.04x	0.01x	5.4x	0.13x							
	(g)	0.034		0.033			0.10	0.032		0.029	0.012	5.51	0.15							
	(h)	<0.001		<0.001			0.005	<0.001		<0.001		(5.5)								
	(i)	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.10x	<0.0010	<0.0010	0.02x	0.02x	4.8x	<0.0030							
	(j)						0.1			0.03			1.02	0.14						
	(k)	<0.005					0.16			0.06			4.09	0.16						
	(l)	0.0001	0.0001	0.0002			0.003	<0.0001	<0.0001	0.0001	0.0001	(3.90)	<0.0001							

ALCAN-7019CAB	(a)	CRM	ALC-7019-CAB																disc
ALCAN-75SCCI	(b)	CRM	ALC-75S-CCI																disc
ALCAN-7010CAD	(c)	CRM	ALC-7010-CAD																disc
ALCAN-7010CAB	(d)	CRM	ALC-7010-CAB																disc
ALPEC-257	(e)	CRM	AlZn, Ø 55x30 mm																disc
ALSUI-724/02	(f)	CRM	AlZn, Ø 60x25 mm																disc
MBH-59X G7022 A	(g)	CRM	Al/Zn/Mg/Cu alloy, Ø50x20mm																disc
VAW-5008	(h)	RM	AlZnMg, Ø 60x20 mm																disc
ALCOA-SS7039	(i)	CRM	AlZn, Ø 64x25 mm																disc
ALCAN-7079AA	(j)	CRM	AlZn, Ø 57x25 mm																disc
ALCAN-74SCAH	(k)	CRM	ALC-74S-CAH																disc
ALCAN-74SAF	(l)	CRM	Al, divers, Ø 57x25 mm																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)				0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0029	(0.17)	(0.20)	0.0054		<0.0001	(2.04)	(0.24)	<0.0001
	(b)						(0.001)			0.004	(0.001)	(1.6)	(0.001)	(0.001)			(2.4)	(0.001)	
	(c)				0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	1.83	(0.14)	<0.0001		<0.0001	2.4	(0.09)	<0.0001
	(d)				<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	(1.89)	(0.140)	<0.0001		<0.0001	(2.51)	(0.081)	<0.0001
	(e)					0-0.0002					0.253	0.062	0.058				2.55	0.450	
	(f)						0.0038	0.0009			0.158	0.149	0.43				2.66	0.19	0.0005
	(g)										0.14	0.631	0.12				2.69	0.127	
	(h)										0.16	0.051	0.26				2.76	0.41	
	(i)	<0.0010	<0.0010	<0.0010	0.003x	<0.0010	<0.0005	<0.0010	<0.0010	0.20x	0.08x	0.20x	0.02x	<0.0005	<0.0005	<0.0005	3.0x	0.25	<0.0005
	(j)				0.0013	0.020	0.0026	0.0014		0.22	0.66	0.24	0.020		0.0038		3.28	0.25	0.0018
	(k)				<0.0001	<0.001	<0.001			<0.001	0.001	(0.003)	<0.001		<0.0001		(3.4)	0.001	<0.0001
	(l)					0.02				0.03	0.08	0.17	0.02				3.41	0.08	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		0.0072	0.0001	0.0010	<0.0001		(0.14)	0.0030	<0.0001	0.0021	0.0010	(4.00)	(0.13)					
	(b)		(0.001)		(0.001)				(0.001)		(0.001)	(0.001)	(7.5)						
	(c)	<0.0001	<0.0001	<0.0001	<0.0001			0.10	0.0003	<0.0001	0.0001	<0.0001	6.22	(0.14)					
	(d)	0.0001	0.0001	0.0001	<0.0001			(0.11)	<0.0001	<0.0001	0.0001	0.0001	(6.45)	(0.15)					
	(e)	0.115		0.098				0.056	0.103		0.200		2.91						
	(f)	0.097		0.005				0.366	0.0062		0.093	0.0067	4.84	0.105					
	(g)	0.003		0.0019				0.126	0.0006		0.016		5.17	0.0016					
	(h)							0.28			0.022		4.6	0.002					
	(i)	0.02x	<0.0010	<0.0030	<0.0010	<0.0010		0.15x	<0.0010	<0.0010	0.05	0.01x	4.0x	<0.0030					
	(j)	0.029	0.0015	0.014	0.0034			0.											

ALCAN-7022AA	(a)	CRM	AlZn, Ø 57x25 mm																disc
ALCAN-7022CAB	(b)	CRM	Rio Tinto Alcan CRM for Alloy AA7022, 57mm x 25mm, ~170g																disc
ALCOA-SS7079	(c)	CRM	AlZn, Ø 64x25 mm																disc
ALSUI-712/02	(d)	CRM	AlZn, Ø 60x25 mm																disc
ALCOA-SS513	(e)	CRM	AlMg, Ø 64x25 mm																disc
ALSUI-711/02	(f)	CRM	AlZn, Ø 60x25 mm																disc
		Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
(a)					0.0013	0.015	0.0034			0.25	0.89	0.47	0.021		0.0016	3.44	0.30	0.0055i	
(b)				0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.24)	(0.89)	(0.45)	<0.0001		<0.0001	(3.47)	(0.29)	<0.0001	
(c)	<0.0010	<0.0010	<0.0010	0.003x	<0.0010	<0.0005	<0.0010	<0.0010	0.16x	0.65	0.22x	0.015	<0.0005	<0.0005		3.5x	0.20x	<0.0005	
(d)				0.0022						0.0295	0.191					3.64	0.158		
(e)	<0.0010	<0.0010	<0.0010	0.0001	<0.0010	<0.0010	<0.0010	<0.0010	0.03x	0.05x	0.3	0.015	<0.0010	<0.0010		4.0x	0.08x	<0.0010	
(f)				0.005						0.0092	0.049	0.452				4.45	0.204		
		Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
(a)		0.039	0.001	0.017	0.0032		0.39	0.016	0.0027	0.023	0.023	4.92	0.0028						
(b)		0.0002	0.0006	0.0002	<0.0001		(0.39)	<0.0001	0.0003	0.0001	0.0001	(4.84)	<0.0001						
(c)	<0.0050	<0.0010	<0.0030	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.03x	0.01x	4.6x	<0.0030							
(d)						0.131			0.027		2.29								
(e)	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	0.20x	<0.0030	<0.001	0.03x	0.01x	1.8x	<0.0030							
(f)						0.4			0.106		1.3								

AlMn(Mg)-alloys

Code	Product																		Unit		
ERM-EB313	(a)	CRM	Aluminium alloy AlMg3 - disc (60 mm x 25 mm) (BAM-313)																		disc
ALCOA-WA5454	(b)	CRM	AlMg, Ø 64x25 mm																		disc
ALCOA-SS7005	(c)	CRM	AlZn, Ø 64x25 mm																		disc
ALCOA-SS5086	(d)	CRM	AlMg, Ø 64x25 mm																		disc
ALCOA-WA5456	(e)	CRM	AlMg, Ø 64x25 mm																		disc
ALSUI-716/02	(f)	CRM	AlZn, Ø 60x25 mm																		disc
ALSUI-723/01	(g)	CRM	AlZn, Ø 60x25 mm																		disc
ALSUI-553/01	(h)	CRM	AlMg, Ø 60x25 mm																		disc
ALCAN-5016AA	(i)	CRM	AlMg, Ø 57x25 mm																		disc
ALSUI-631/01	(j)	CRM	AlSi, AlSiCu, Ø 60x25 mm																		disc
ALSUI-543/01	(k)	CRM	AlMg, Ø 60x25 mm																		disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Mo		
	(a)			0.00072		0.000547	0.0095	0.00057	0.00074		0.1224	0.0932	0.391	0.0121	0.00041	0.000604	3.4	0.495	0.00053		
	(b)					0.001x					0.55x	0.02x	0.10x	0.02x			2.5x	0.5			
	(c)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.10x	0.10x	0.20x	0.02x	<0.0005	<0.0005	1.3x	0.5	0.5			
	(d)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010	0.12x	0.05x	0.25	0.02x	<0.0005	<0.0005	4.0x	0.5	0.5			
	(e)					0.001x				0.15x	0.10x	0.25	0.02x				5.5x	0.5			
	(f)					0.001				0.036	0.051	0.26					3.5	0.5			
	(g)									0.22	0.115	0.33					1.8	0.5			
	(h)									0.106	0.048	0.202				0.0005	1.48	0.5			
	(i)				0.0038	0.019i	0.0031i	0.0012		0.017	0.036	0.76	0.023			0.0028i	2.48	0.50			
	(j)									0.103	0.0105	0.105					0.515	0.505			
	(k)						(0,012)			0.24	0.019	0.515				0.0005	4.05	0.511			
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	Tl	V	Zn	Zr					
	(a)		0.0037	0.0278		0.00433	0.00087		0.363	(0.0197)		0.0947	0.00064	0.0299	0.1579	0.0359					
	(b)			0.03x					0.08x			0.02x		0.01x	0.15x						
	(c)	<0.0005	0.02x	<0.0010	<0.0030	<0.0010	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.02x		0.01x	4.5x	0.14x					
	(d)	<0.0005	0.03x	<0.0010	<0.0030	<0.0010	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.03x		0.01x	0.05x	<0.0030					
	(e)			0.01x					0.10x			0.05x		0.01x	0.25						
	(f)			0.05					0.1			0.033			4.5						
	(g)			0.052					0.3			0.035			4.69	0.16					
	(h)	(0,0027)	0-0,001		0.02				0.039			0.032		0.0245	0.021						
	(i)	0.0026i	0.015	0.0014i	0.014	0.0025			0.25	0.014	0.0029i	0.015		0.023	0.080	0.0033					
	(j)	(0,0004)	0.01		0.006				0.53			0.0078			0.018						
	(k)	0.0029			0.0095				0.078	0.0104		0.036			0.101						

VAW-2652-2	(a)	CRM	AlMg, Ø 60x20 mm																	disc
ALSUI-555/03	(b)	CRM	AlMg, Ø 60x25 mm																	disc
ALCAN-7004AA	(c)	CRM	AlZn, Ø 57x25 mm																	disc
ALSUI-312/01	(d)	CRM	AlMn, Ø 60x25 mm																	disc
SEI-NKAC7A-NDC1	(e)	CRM	AlMg: type AC7A, Ø 55x25 mm																	disc
ALCAN-3105CAI	(f)	CRM	Rio Tinto Alcan CRM for Alloy AA3105, 57mm x 25mm, ~170g																	disc
ALCAN-3105CAF	(g)	CRM	ALC-3105-CAF																	disc
ALSUI-713/01	(h)	CRM	AlZn, Ø 60x25 mm																	disc
MBH-511X G6082 A	(i)	CRM	Al/Mg alloy, Ø50x20mm																	disc
ALCAN-B320AA	(j)	CRM	AlMg, Ø 57x25 mm																	disc
ALCAN-3105AH	(k)	CRM	Rio Tinto Alcan CRM for Alloy AA3105, Ø57mm x 25mm																	disc
MBH-511X G05H4 F	(l)	RM	Al/Mg alloy, Ø50x20mm																	disc
			Al	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	
	(a)		(89)	<0.0002	0.00316	0.00017	0.00045	0.00139		0.00541	0.0472	0.831	0.0102	0.00072	7.75	0.513	0.00086	0.00537		
	(b)					0.017				0.105	0.107	0.404			3.01	0.516	0.0004	0.011		
	(c)				0.0013	0.022i	0.0040	0.0014		0.034	0.052	0.27	0.030	0.0015	1.76	0.52	0.0049i	0.043	0.001	
	(d)									0.048	0.19	0.36			0.6	0.52	0.0048-0.0053	0.03		
	(e)				0.0048					0.098	0.094	0.561			4.5	0.52		0.051		
	(f)			0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.099)	(0.098)	(0.54)	<0.0001	<0.0001	(0.49)	(0.52)	<0.0001	<0.0001	0.0001	
	(g)			0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	(0.10)	(0.09)	(0.54)	<0.0001	<0.0001	(0.52)	(0.53)	<0.0001	0.0004	0.0002	
	(h)									0.19	0.1	0.35			1.67	0.53				
	(i)					(0.0008)				0.0606	0.0184	0.081			0.759	0.534		0.0035		
	(j)					0.042				0.032	0.054	0.80	0.017		3.38	0.54		0.029		
	(k)				0.00	0.008	0.0023	0.0013		0.1600	0.25	0.590	0.021	0.0017i	0.52	0.54	0.0022i	0.02	0.0031	
	(l)				0.014					0.029	0.056	0.14			5.1	0.55		0.04		
			Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		0.00342		1.765	0.00315	0.00054	0.0595	0.00843	0.0225	0.00429									
	(b)		0.01		0.419			0.094	0.0083	0.101	0.0092									
	(c)		0.029	0.0028	0.17	0.032	0.0027	0.051	0.032	5.15	0.14									
	(d)		0.027		0.1			0.03		0.055										
	(e)		0.049		0.612	0.046		0.108		0.153										
	(f)		<0.0001	<0.0001	(0.24)	<0.0001	<0.0001	<0.0001	<0.0001	(0.16)	0.0003									
	(g)		<0.0001	<0.0001	(0.25)	<0.0001	<0.0001	<0.0001	0.0001	(0.14)	0.0002									
	(h)				0.33			0.017		4.6	0.17									
	(i)		0.0012		0.753	0.0011		0.0278		0.054										
	(j)		0.041		0.83	0.040		0.047	0.011	0.041										
	(k)		0.0086	0.0026	0.51	0.0200	0.0021	0.0450	0.021	0.1300	0.0026									
	(l)		0.15		0.11	0.14		0.048		0.062										

AlMn(Mg)-alloys

ALCOA-SS7076	(a)	CRM																		disc
VAW-2207	(b)	RM																		disc
ALCAN-3105AE	(c)	CRM																		disc
MBH-511X G6082 B	(d)	CRM																		disc
SEI-NK3105-NDC1	(e)	CRM																		disc
SEI-NK7N01-NDC	(f)	CRM																		disc
ALPEC-1243	(g)	CRM																		disc
BAS-IMI24WM6	(h)	CRM																		disc
ALSUI-313/01	(i)	CRM																		disc
ALCAN-B53SAG	(j)	CRM																		disc
VAW-2505-2	(k)	CRM																		disc
ALCAN-5017AA	(l)	CRM																		disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)		<0.0010	<0.0010	<0.0010	0.002x	<0.0010	<0.0005	<0.0010	<0.0010	0.02x	0.65	0.35	0.015	<0.0005	<0.0005	1.7x	0.55	<0.0005	
	(b)			<0.001							0.018	0.022	0.35				1.21	0.56		
	(c)					0.0012	0.0065	0.0024	0.0014		0.089	0.26	0.60	0.021		0.0025i	0.51	0.56	0.0034i	
	(d)					(0.0007)					0.0055	0.0141	0.18				0.66	0.566		
	(e)				(0.002)	0.0026	0.02	0.0023	0.0097	0.0092	0.099	0.182	0.628	0.038		(0.00014)	0.492	0.578	(0.0018)	
	(f)				<0.0002						0.113	0.055	0.163				1.5	0.613		
	(g)										0.0016	0.0049	0.2670				0.0007	0.629		
	(h)										0.19	1.85	1.02				0.2	0.63		
	(i)										0.031	0.1	0.5				0.23	0.65	0.0027-0.0033	
	(j)					(0.016)	0.0083				0.023	0.077	0.54	0.014		0.0005	1.72	0.67	0.005	
	(k)				<0.001	0.0012	0.0073	0.0017		<0.001	0.095	0.034	0.31	0.011		0.0015	4.67	0.69	0.0016	
	(l)					0.0030	0.02	0.0050			0.016	0.28	0.40	0.026		0.0040	1.95	0.70	0.0044	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.02x	<0.0010	<0.0030	<0.0010	<0.0010	0.15x	<0.0010	<0.0010	0.05x	0.01x	7.6x	<0.0030						
	(b)				1.42			0.9			0.014		0.029							
	(c)		0.031	0.0034	0.006	0.0038		0.28	0.0058	0.0029	0.053	0.021	0.19	0.0035						
	(d)		0.0044		(0.0009)			0.91	(0.0006)		0.0158		0.0016							
	(e)		0.031	(0.0036)	0.019			0.321	0.02	0.0034	0.097	0.023	0.15	0.021						
	(f)		0.01					0.106			0.08	0.0019	4.26	0.101						
	(g)		0.0504		0.0468			0.0880	0.0470		0.0076		0.0090							
	(h)		0.45		0.26			6.55	0.1		0.23		0.56							
	(i)		0.022		0.02			0.14			0.02		0.037							
	(j)		0.031	0.0002	0.027			0.16	0.029		0.026	0.017	0.030							
	(k)		0.0031		0.031			0.31			0.02		0.012	0.001						
	(l)		0.030		0.026			0.37	0.027	0.0022	0.036	0.009	0.026	0.014						

ALCAN-B53SAH	(a)	CRM	AlMg, Ø 57x25 mm															disc
ALSUI-547/01	(b)	CRM	AlMg, Ø 60x25 mm															disc
ALCAN-6070AC	(c)	CRM	AlSi, AlSiCu, 57x25 mm															disc
ALCAN-5083AF	(d)	CRM	AlMg, Ø 57x25 mm															disc
ALCAN-5454AC	(e)	CRM	AlMg, Ø 57x25 mm															disc
MBH-511X G3000B1 C	(f)	CRM	Al/Mg Alloy, Ø 40x15 mm															disc
ALSUI-321/01	(g)	CRM	AlMn, Ø 60x25 mm															disc
ALCAN-B53SAD	(h)	CRM	AlMg, Ø 57x25 mm															disc
VAW-2109-1	(i)	CRM	AlMg, Ø 60x20 mm															disc
SEI-NK5183-NDC	(j)	CRM	AlMg: type 5183, Ø 55x25 mm															disc
ALSUI-552/02	(k)	CRM	AlMg, 60x25 mm															disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)			0.010	0.0084			0.027	0.022	0.54	0.014	0.0006	1.84	0.70	0.006	0.032	0.0002	0.028
	(b)		0.0011	0.0036	0.0004-0.0007	0.0049		0.158	0.104	0.406	0.013	0.00030-0.00060	4.58	0.702	0.00150-0.00250	0.011		0.0057
	(c)		0.0012	0.0063	0.0029	0.0010		0.019	0.33	0.26	0.020	0.0029i	0.75	0.74	0.0033i	0.019	0.0036	0.008
	(d)		0.0012	0.008	0.0031	0.0012		0.15	0.078	0.34	0.022	0.0039i	4.85	0.74	0.0039i	0.030	0.0014	0.0077
	(e)		0.0011	0.0048	0.0022i	0.0014	0.0015	0.030	0.10	0.40	0.022	0.0030i	3.16	0.75	0.0038i	0.033	0.0013	0.0035
	(f)		(<0.0001)					0.0972	0.287	0.669	0.051		0.253	0.752		0.142		0.145
	(g)							0.02	0.1	0.051			0.11	0.76	0.0011	0.022		0.021
	(h)		0.001	0.019				0.023	0.15	0.58	0.015		2.50	0.76		0.031		0.023
	(i)	<0.0002	<0.0001	<0.0002	0.0003	0.0011	<0.0002	0.0022	0.0066	0.17	0.011	0.0006	0.55	0.78	0.0008	0.0029		0.0007
	(j)		0.0028					0.193	0.051	0.29			5.04	0.78		0.019		
	(k)		0.001		(0.0009)	0.0022		0.198	0.099	0.097		0.00045	1.95	0.798	0.0016	0.0048		0.0038
		Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		0.15	0.029		0.026	0.017	0.030										
	(b)		0.155	0.0055		0.099	0.012	0.065	0.0056									
	(c)	0.0027	1.25	0.0069	0.0036	0.021	0.016	0.021	0.0030									
	(d)	0.0012	0.17	0.020	0.0033	0.027	0.021	0.050	0.0035									
	(e)	0.0032	0.25	0.0029	0.0020	0.064	0.020	0.030	0.0029									
	(f)		0.788	0.163		0.0327	0.054	0.0347										
	(g)		0.348			0.15	0.031	0.01										
	(h)		0.16	0.026		0.042	0.018	0.033										
	(i)	<0.0003	0.62	<0.0005	<0.0001	0.018	0.0016	0.029	0.0012									
	(j)		0.291			0.04		0.052										
	(k)		0.144	0.0187		0.01	0.0092	0.061	0.005									

[illegible]

ALSUI-333/02	(a)	CRM	AlMn, Ø 60x25 mm																disc
ALCAN-P57SAA	(b)	CRM	AlMg, Ø 57x25 mm																disc
ALPEC-758	(c)	CRM	AlMn, Ø 55x30 mm																disc
MBH-511X G6012	(d)	CRM	Al/Mg Alloy with Bi, Sn and Pb, Ø 50x17 mm																disc
ALCAN-3204AA	(e)	CRM	Al, divers, Ø 57x25 mm																disc
MBH-511X G3000B4 C	(f)	CRM	Al/Mg Alloy, Ø 50x20 mm																disc
ALCAN-3104DAS	(g)	CRM	Rio Tinto Alcan CRM for Alloy AA3104, 57mm x 25mm, ~170g																disc
ALCOA-WA3003	(h)	CRM	AlMn, Ø 64x25 mm																disc
ALCAN-3104AR	(i)	CRM	Al, pure, Ø 57x25 mm																disc
VAW-2105	(j)	RM	AlMg, Ø 60x20 mm																disc
VAW-2413	(k)	RM	AlMn, Ø 60x20 mm																disc
ALSUI-331/01	(l)	CRM	AlMn, Ø 60x25 mm																disc
			B	Be	Bi	Ca	Cd	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	Sb
	(a)							0.023	0.05	0.77			0.041	0.9	0.0005	0.011		0.0038	
	(b)			0.040	0.0029			0.049	0.10	0.56	0.01	0.0018	1.81	0.90	0.0013	0.041		0.037	
	(c)							0.0112	0.5030	0.1488			0.0992	0.908		0.0022		0.0051	
	(d)			0.0072	0.552			0.269	0.114	0.285			1.1	0.91		0.0154		1.1	
	(e)			0.0010	0.017	0.0024i		0.027	0.21	0.43	0.018	0.0016i	1.34	0.91	0.0018i	0.031	0.001	0.012	
	(f)			0.014				0.0121	0.086	0.44	0.0284		1.267	0.916		0.0347		0.0285	
	(g)			(0.0013)	(0.001)	(0.0020)	(0.0011)	(0.015)	(0.19)	(0.42)	(0.017)	(0.0017)	(1.21)	(0.93)	(0.0010)	(0.009)	(0.0020)	(0.0062)	(0.0021)
	(h)			0.001x			0.001x	0.03x	0.09x	0.65	0.02x		0.01x	0.95		0.03x		0.006x	
	(i)			0.0012	0.007	0.0026i	0.0013	0.015	0.23	0.42	0.021	0.0024i	1.19	0.96	0.0030i	0.031	0.0017	0.0083	0.0021
	(j)	0.0003		0.0046		0.0004		0.16	0.12	0.39			0.59	0.97	0.0003			0.0021	
	(k)							<0.001	0.036	0.42			0.027	0.97				0.0009	
	(l)							0.224	0.256	0.487			0.052	0.97		0.0027			
			Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)		0.1			0.024		0.021											
	(b)		0.20	0.040		0.05	0.02	0.100											
	(c)		0.4824	0.0298		0.0384		0.0224											
	(d)		1.35	0.04		0.016		0.255	0.032										
	(e)		0.23	0.013	0.0026i	0.035	0.022	0.028	0.0029										
	(f)		0.13	0.0456		0.052	0.0199	0.058											
	(g)		(0.17)	(0.0012)	(0.0016)	(0.0085)	(0.014)	(0.13)	(0.0011)										
	(h)		0.4			0.03x	0.01x	0.05x											
	(i)		0.21	0.015	0.0022i	0.030	0.021	0.12	0.0019										
	(j)		0.86			0.039		0.072											
	(k)		0.5			0.009		0.004											
	(l)		0.24			0.0235	0.0121	0.0142	0.128										

AlMn(Mg)-alloys

ALCAN-3104-CAP	(a)	CRM	Al, pure, Ø 57x25 mm																disc
VAW-2410-1	(b)	CRM	AlMn, Ø 60x20 mm																disc
ALSUI-636/02	(c)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
ALPEC-1211	(d)	CRM	AlCu, Ø 55x30 mm																disc
VAW-2401	(e)	RM	AlMn, Ø 60x20 mm																disc
ALSUI-541/02	(f)	CRM	AlMg, Ø 60x25 mm																disc
ALSUI-554/02	(g)	CRM	AlSi, AlSiCu, Ø 60x25 mm																disc
VAW-2400	(h)	RM	AlMn, Ø 60x20 mm																disc
VAW-2403-1	(i)	RM	AlMn, Ø 60x20 mm																disc
ALSUI-323/02	(j)	CRM	AlMn, Ø 60x25 mm																disc
ALSUI-544/01	(k)	CRM	AlMg, Ø 60x25 mm																disc
ALCOA-WA3004	(l)	CRM	AlMn, Ø 64x25 mm																disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb
	(a)		0.0003	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.001	(0.23)	(0.42)	<0.0001	<0.0001	(1.13)	(0.99)	0.0001	<0.0001	0.0003	0.0001
	(b)		0.0024						0.048	0.1	0.58			0.016	1		0.0014		0.0012
	(c)				0.0094	0.00068			0.0512	0.0917	0.576	0.00832	0.00025	1.104	1	0.0005	0.0531		0.0098
	(d)								0.0625	3.52	0.1180			0.820	1.004		0.0348		0.0007
	(e)								0.03	0.053	0.43			0.05	1.02				
	(f)					0.0024-0.0028			0.049	0.095	0.095		0.0013	4	1.03	0.0070-0.0090			0.0094
	(g)			0.0024			0.0051		0.0321	0.052	0.321		0.00017	2.64	1.03	0.0039-0.0047	0.0086		0.0091
	(h)								0.031	0.045	0.42			0.055	1.03				
	(i)		0.0065						0.032	0.049	0.42	0.0083		0.057	1.03		0.0009		0.0019
	(j)				0.0052				0.011	0.205	0.62		0.0001	0.34	1.03	0.001	0.012		
	(k)								0.048	0.01	0.141		0.0006	5.51	1.04	0.0014	0.019		
	(l)				0.005x		0.001x		0.01x	0.10x	0.6	0.02x		1.3x	1.0x		0.01x		0.006x
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr									
	(a)		<0.0001	(0.23)	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001									
	(b)			0.24			0.016		0.027	0.003									
	(c)		0.0048	1.387	0.0095		0.1014	0.0037	0.0997	0.0032									
	(d)			1.160	0.0815		0.1750		0.0100	0.0013									
	(e)			0.17			0.049		0.072										
	(f)			0.305	0.01		0.002	0.0052	0.023										
	(g)			0.258	0.0124		0.0466	0.0088	0.11										
	(h)			0.16			0.022		0.072										
	(i)			0.16	0.0003		0.0017	0.0014	0.067	0.0016									
	(j)			0.51			0.0282	0.012	0.156	0.01									
	(k)			0.055			0.053		0.011										
	(l)			0.22x			<0.0050	0.01x	0.15x										

VAW-2404	(a)	RM	AlMn, Ø 60x20 mm															disc
ALSUI-322/03	(b)	CRM	AlMn, Ø 60x25 mm															disc
MBH-511X G3000B3 B	(c)	CRM	Al/Mg Alloy, Ø 40x15 mm															disc
VAW-2102	(d)	RM	AlMg, Ø 60x20 mm															disc
ALCAN-3003AJ	(e)	CRM	Al, divers, Ø 57x25 mm															disc
ALCAN-3203CAX	(f)	CRM	ALC-3203-CAX															disc
ALSUI-551/02	(g)	CRM	AlMg, Ø 60x25 mm															disc
VAW-2411-2	(h)	CRM	AlMn, Ø 60x20 mm															disc
ALCAN-X3003CAB	(i)	CRM	ALC-X3003-CAB															disc
VAW-2408	(j)	RM	AlMn, Ø 60x20 mm															disc
ALCAN-X3003AA	(k)	CRM	ALC-X3003-AA															disc
MBH-511X G05H5F	(l)	CRM	Al/Mg Alloy, Ø 50x20 mm															disc
		As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Mo	Na
	(a)								0.006	0.034	0.44				0.16	1.05		
	(b)				0.002				0.0053	0.0218	0.408				0.0178	1.05		
	(c)	(0.006)		0.005			0.001	0.008	0.056	0.12	0.376	0.014			0.8	1.06	(0.093)	
	(d)		0.0002	0.0038		0.0015			0.043	0.2	0.43			0.0005	0.45	1.07		0.001
	(e)			0.0011	0.0073	0.0017i	0.0011		0.016	0.130	0.22	0.020		0.0021i	0.0065	1.07		0.0025i
	(f)		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.54)	<0.0001	<0.0001	<0.0001	0.0002	(1.08)		<0.0001
	(g)								0.3	0.14	0.06			0.0015	1.42	1.08		(0,0045)
	(h)		0.0003	0.0021	0.0041	0.0005	0.0028	0.0021	0.15	0.34	0.52	0.015		0.0002	0.041	1.09		0.0003
	(i)			<0.0001	<0.001	<0.0001			<0.001	<0.001	(0.59)	<0.001		<0.0001	<0.001	(1.09)		<0.0001
	(j)								0.013	0.05	0.41				0.15	1.1		
	(k)				0.016	0.0024i			0.012	0.08	0.60	0.011		0.0004i	0.016	1.10		0.0008i
	(l)			0.0062					0.0113	0.071	0.129				9.22	1.11		
		Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	Tl	V	Zn	Zr				
	(a)			0.002			0.23			0.011			0.1	0.005				
	(b)	0.0009		0.0041			0.105			0.011		0.0095	0.051	0.067				
	(c)	0.116		0.062			0.35	0.028		0.22		<0.005	0.14					
	(d)						1.82			0.03			0.05					
	(e)	0.020	0.0034	0.0086	0.0025		0.45	0.022	0.0021i	0.040		0.021	0.083	0.0027				
	(f)	<0.0001	<0.0001	<0.0001	<0.0001		(0.30)	<0.0001	<0.0001	<0.0001		<0.0001	0.0001	<0.0001				
	(g)	0-0,001		0.019			0.23			0.01		0.022	0.1					
	(h)	0.019		0.005		0.044	0.19	0.0085		0.056	0.0029	0.02	0.079	0.0066				
	(i)	<0.001	0.0006	<0.001			(0.23)	<0.001		<0.001		<0.001	(0.98)	<0.001				
	(j)						0.11			0.007			0.052					
	(k)	0.021	0.0025	0.016			0.23	0.018		0.014		0.010	0.98	0.007				
	(l)	0.0129		0.185			0.141	0.0089		0.0157		0.041	0.019	0.107				

AlMn(Mg)-alloys

VAW-2417-1	(a)	CRM	AlMn1, Ø 60x20 mm																disc
ALPEC-68452	(b)	CRM	AlMn, Ø 55x30 mm																disc
ALCAN-3203AG	(c)	CRM	Al, divers, Ø 57x25 mm																disc
ALCAN-3005AD	(d)	CRM	Al, divers, Ø 57x25 mm																disc
VAW-2412	(e)	RM	AlMn, Ø 60x20 mm																disc
ALCAN-3005CAB	(f)	CRM	ALC-3005-CAB																disc
ALCAN-3005CAF	(g)	CRM	ALC-3005-CAF																disc
ALSUI-350/02	(h)	CRM	Al with As, Cd, Hg + Pb, Ø 60x25mm																disc
VAW-2414	(i)	RM	AlMn, Ø 60x20 mm																disc
MBH-55X G900J5 E	(j)	RM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
ALCAN-X3003AD	(k)	CRM	Al Alloy, Ø 57x25 mm																disc
VAW-2409	(l)	RM	AlMn, Ø 60x20 mm																disc
			As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni
		(a)		0.0007	0.0009	0.0053	0.0007	0.0009	0.001	0.016	0.097	0.48	0.02		0.0005	0.05	1.12	0.0011	0.017
		(b)								(0.03)	(0.11)	(0.31)				(0.88)	(1.14)		(0.02)
		(c)			0.0011	0.028	0.0022i	0.0016		0.029	0.052	0.54	0.022		0.0017i	0.032	1.14	0.0021i	0.033
		(d)			0.0011	0.0077	0.0026	0.0011		0.015	0.20	0.55	0.020		0.0023i	0.52	1.15	0.0022i	0.020
		(e)		0.0018						0.008	0.021	0.98	0.011			0.16	1.15		0.27
		(f)		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0002	0.0001	(0.44)	<0.0001		<0.0001	(0.45)	(1.16)	<0.0001	0.0003
		(g)		0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0002	(0.44)	<0.0001		<0.0001	(0.43)	(1.16)	<0.0001	0.0001
		(h)	0-0,00003					0-0,00002		0.0009	0.149	0.461		0-0,00005		1.08	1.16		0.003
		(i)								<0.001	0.023	0.34				0.03	1.16		
		(j)								0.46	0.024	0.18				0.009	1.16		0.41
		(k)			0.0011	0.0064	0.0019i	0.0011		0.015	0.16	0.53	0.021		0.0021i	0.014	1.17	0.0025i	0.018
		(l)								0.084	0.2	0.39				0.041	1.2		
			P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr	Zt						
		(a)	0.0023	0.0079	0.0035	0.23	0.011	0.0006	0.018	0.011	0.025	0.0019							
		(b)		(0.02)		(0.16)	(0.02)		(0.06)		(0.1)								
		(c)	0.0069	0.021	0.0042	0.33	0.023	0.0023i	0.029	0.025	0.039	0.0039							
		(d)	0.0035	0.0080	0.0024	0.46	0.019	0.0030	0.041	0.022	0.13		0.0031						
		(e)		0.11		1.45	0.095		0.0042	0.058	0.22								
		(f)	0.0002	<0.0001	0.0001	(0.19)	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001							
		(g)	0.0001	<0.0001	<0.0001	(0.21)	<0.0001	<0.0001	0.0002	<0.0001	0.0010	<0.0001							
		(h)		0.00066		0.255			0.0246	0.0114	0.0522	0.005							
		(i)				0.68			0.02		0.048								
		(j)		0.014		1.65	0.006		0.33		0.023								
		(k)	0.0030	0.0077	0.0025	0.37	0.018	0.0019i	0.021	0.019	1.39	0.0024							
		(l)				0.15			0.058		0.061								

ALCAN-3004AO	(a)	CRM	Al, divers, Ø 57x25 mm																	disc
ALSUI-332/02	(b)	CRM	AlMn, Ø 60x25 mm																	disc
ALSUI-325/02	(c)	CRM	AlMn, Ø 60x25 mm																	disc
ALCAN-X3012AA	(d)	CRM	ALC-X3012-AA																	disc
ALCAN-3004CAN	(e)	CRM	ALC-3004-CAN																	disc
VAW-2406	(f)	RM	AlMn, Ø 60x20 mm																	disc
SEI-NK3S-NDC2	(g)	CRM	AlMn: type 3S, Ø 55x25 mm																	disc
NIST-1240c	(h)	CRM	Aluminum Alloy 3004																	Each
MBH-56X G2000J1 C	(i)	CRM	Al/Cu Alloy, Ø 40x15 mm																	disc
SEI-NK4S-NDC2	(j)	CRM	AlMn: type 4S, Ø 55x25 mm																	disc
ALCOA-ST2-3003	(k)	CRM	Al, divers, Ø 64x25 mm																	disc
ALCOA-ST2-3000	(l)	CRM	ASM-ST2-3000																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					0.0012	0.0069	0.0038	0.0013		0.029	0.21	0.48	0.022		0.0019i	1.24	1.20	0.0028i	
	(b)					0.0005					0.006	0.1	0.61			0.0001	0.193	1.2	0.0006	
	(c)										0.054	0.2	0.71				0.46	1.2		
	(d)					0.0012	0.0078	0.0015i	0.0014		0.016	0.520	0.20	0.020		0.0012i	0.031	1.23	0.0014i	
	(e)				0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	(0.17)	(0.62)	0.0008		<0.0001	(1.27)	(1.23)	<0.0001	
	(f)										0.034	0.024	0.27				0.036	1.25		
	(g)										0.012	0.054	0.505				0.043	1.26		
	(h)					(0.000011)			(0.00065)		(0.00054)	0.1484	0.501	0.0181			1.11	1.268		
	(i)	0.0048					0.008			0.00044	0.0007	3.29	0.086			(0.0001)	1.7	1.27		
	(j)										0.011	0.105	0.401				1.02	1.27		
	(k)			0.0005	<0.0010	0.0002	0.02x	0.002x	0.0005	0.0005	0.015	0.15x	0.65	0.002x	0.0002	0.001x	0.01x	1.2x	0.0015	
	(l)	<0.0010			<0.0005	0.0005	0.001x		0.001x	0.001x	0.01x	0.15x	0.5	0.02x	0.003x		0.03x	1.2x		
			Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)	0.027	0.0020	0.008	(0.0035)	0.23	0.013	0.0031	0.029	0.019	0.13	0.0033								
	(b)	0.006		0.004		0.2			0.1		0.06									
	(c)					0.49			0.103	0.002	0.16									
	(d)	0.020	0.0036	0.0085	0.002	0.49	0.022	0.0019i	0.014	0.020	0.084	0.0030								
	(e)	0.0001	<0.0001	0.0001	<0.0001	(0.22)	0.0001	<0.0001	0.0004	0.0001	0.0008	0.0002								
	(f)					0.19			0.035		0.061									
	(g)	0.01				0.404			0.02		0.054									
	(h)	0.00434			(0.0009)	0.1804	(0.0004)	<0.0001	0.0204	0.0185	0.0514	(0.0023)								
	(i)	0.0046			0.0022	0.099	0.099		0.0053	0.0097	0.864	0.293								
	(j)	0.011				0.21			0.02		0.056									
	(k)	0.02x	0.0005	0.02x	0.003x	0.3	0.02x	0.0012	0.02x	0.015	0.02x	0.004x								
	(l)	0.01x			0.003x	0.001x	0.20x	0.001x	0.001x	0.02x	0.01x	0.05x	0.001x							

ALCOA-SS3003	(a)	CRM	AlMn, Ø 64x25 mm																discarded
ALCOA-SS3005	(b)	CRM	AlMn, Ø 64x25 mm																discarded
ALCOA-ST1-3000	(c)	CRM	Al, divers, Ø 64x25 mm																discarded
ALCOA-SS3004	(d)	CRM	AlMn, Ø 64x25 mm																discarded
VAW-2107	(e)	RM	AlMg, Ø 60x20 mm																discarded
ALCAN-3916AA	(f)	CRM	Rio Tinto Alcan CRM for Alloy AA3916, 57mm x 25mm, ~170g																discarded
ALCOA-WB3004	(g)	CRM	AlMn, Ø 64x25 mm																discarded
ALCAN-4007AA	(h)	CRM	AlSi, AlSiCu, Ø 57x25 mm																discarded
ALPEC-68451	(i)	CRM	AlMn, Ø 58 x 32 mm																discarded
VAW-3501	(j)	RM	AlSi, AlSiCu, Ø 60x20 mm																discarded
ALSUI-391C/01	(k)	CRM	AlMn, Ø 60 x 26 mm																discarded
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na
	(a)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0005	<0.0010	<0.0050	0.15x	0.5	0.02x	<0.0005	<0.0005	0.03x	1.2x	<0.0005
	(b)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0005	<0.0010	0.02x	0.15x	0.6	0.015	<0.0005	<0.0005	0.4	1.2x	<0.0005
	(c)		<0.0010		<0.0005	0.0005	0.001x		0.001x	0.0001	0.01x	0.15x	0.5	0.02x	0.003x		1.0x	1.2x	
	(d)		<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0005	<0.0010	<0.0050	0.15x	0.5	0.02x	<0.0005	<0.0005	1.1x	1.2x	<0.0005
	(e)				<0.0003	0.0037		0.0008			0.08	0.15	0.56				1.52	1.37	
	(f)					0.0011i	0.0087i	0.0016i	0.0008		0.030	0.75	0.17	0.019		0.0017i	0.0025i	1.38	0.0021i
	(g)						0.002x		0.003x		0.02x	0.20x	0.4	0.02x			0.9	1.4x	
	(h)					0.0011	0.007	0.0011i	0.0012		0.091	0.011	0.55	0.019		0.0009i	0.008	1.43	0.0012i
	(i)									(0.1)	(0.06)	(0.1)					(0.41)	(1.45)	
	(j)									0.001			0.19				0.007	1.45	
	(k)									0.0905		0.198	0.0463				0.0123	1.483	0.00003
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)		<0.0050	<0.0010	0.001x	<0.0010	<0.0010	0.20x	<0.0010	<0.0010	0.02x	0.01x	0.08x	<0.0030					
	(b)		0.01x	<0.0010	<0.0030	<0.0010	<0.0010	0.22x	<0.0010	<0.0010	0.02x	0.01x	0.03x	<0.0030					
	(c)		0.01x		0.003x	0.001x		0.20x	0.001x	0.001x	0.02x	0.01x	0.05x	0.001x					
	(d)		<0.0050	<0.0010	0.001x	<0.0010	<0.0010	0.18x	<0.0010	<0.0010	0.02x	0.01x	0.05x	<0.0030					
	(e)							0.71			0.032		0.28						
	(f)		0.088	0.0034	0.0081	0.0033		0.220	0.020	0.0017i	0.028	0.020	0.030	0.0029					
	(g)		0.02x		0.02x			0.10x			0.05x	0.01x	0.10x						
	(h)		0.21	0.0023	0.0041	0.0042		1.62	0.0022	0.0012i	0.029	0.015	0.029	0.0022					
	(i)		(0.04)		(0.04)			(0.7)	(0.04)		(0.2)		(0.18)						
	(j)							14.1			0.097		0.004						

ALCOA-WB3003	(a)	CRM	AlMn, Ø 64x25 mm																disc	
ALCAN-X3005AB	(b)	CRM	Al Alloy, Ø 57x25 mm																disc	
ALSUI-326/02	(c)	CRM	AlMn, Ø 60x25 mm																disc	
VAW-2106	(d)	RM	AlMg, Ø 60x20 mm																disc	
ALCAN-3SCBW	(e)	CRM	ALC-3S-CBW/S																disc	
VAW-2702	(f)	RM	AlMg, Ø 60x20 mm																disc	
ALCAN-X3005CAC	(g)	CRM	Rio Tinto Alcan CRM for Alloy AA3005, 57mm x 25mm, ~170g																disc	
VAW-2701-2	(h)	RM	AlMg, Ø 60x20 mm																disc	
VAW-3500	(i)	RM	AlSi, AlSiCu, Ø 60x20 mm																disc	
ALSUI-327/01	(j)	CRM	AlMn, Ø 60x25 mm																disc	
MBH-514X 9091.1 C	(k)	CRM	Al/Mn Alloy, Ø 40x15 mm																disc	
MBH-514X 9091.3 D	(l)	CRM	Al/Mn Alloy, Ø 40x15 mm																disc	
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	
	(a)						0.003x		<0.0050	0.20x	0.3	0.02x		0.05x	1.5x		<0.0050		0.02x	
	(b)			0.0011	0.008	0.0017	0.0020		0.016	0.53	0.21	0.020	0.0018i	0.12	1.51	0.0018i	0.021	0.0030	0.009	
	(c)	0.001							0.0027	0.0064	0.81			0.0022	1.51		0.0035			
	(d)			0.0021		0.0016			0.083	0.03	0.52			0.9	1.52					
	(e)			0.004	0.043	0.0050i			0.0380	0.08	0.45	0.015	0.0006i	0.021	1.53	0.0004i	0.039		0.039	
	(f)			0.0013					<0.005	0.045	0.27			9.8	1.54		<0.01			
	(g)	0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0001	(0.59)	(0.22)	<0.0001	<0.0001	(0.16)	(1.56)	0.0001	<0.0001	0.0001	<0.0001		
	(h)	<0.003	0.0044		0.001			<0.005	0.031	0.23				9.59	1.64					
	(i)							0.001	0.001	0.38				0.011	1.72					
	(j)							0.005	0.025	0.138				0.006	1.74	0.0008	0.0052		0.0063	
	(k)							<0.005	0.046	0.081				(0.001)	6.93		(0.0026)		0.016	
	(l)							0.106	0.62	0.94				0.148	11.3		0.141		0.111	
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
	(a)			0.15x			0.01x	0.01x	0.02x											
	(b)	0.0020		0.081	0.018	0.0021	0.020	0.020	0.025	0.0018										
	(c)			0.45			0.077	0.0079	0.034											
	(d)			1.3			0.04		0.07											
	(e)			0.23	0.048		0.032	0.002	0.044	0.03										
	(f)			2.34			(0.4)		0.062											
	(g)	<0.0001	(0.19)	<0.0001	<0.0001	0.0001	0.0001	0.0001	0.0003	0.0002										
	(h)			2.54			(0.3)		0.043											
	(i)			11.7			0.046		0.005											
	(j)			0.054			0.068	(0,008)	0.052											
	(k)			0.035	0.013		0.0017		0.029	0.184										
	(l)			0.74	0.019		0.424		0.223	<0.005										

AlMn as Sets - individuals available

NCS HS49704B-1	(a)	CRM	Aluminium alloy, Ø62mm x 30mm								disc
NCS HS49704B-2	(b)	CRM	Aluminium alloy, Ø62mm x 30mm								disc
NCS HS49704B-3	(c)	CRM	Aluminium alloy, Ø62mm x 30mm								disc
NCS HS49704B-4	(d)	CRM	Aluminium alloy, Ø62mm x 30mm								disc
NCS HS49704B-5	(e)	CRM	Aluminium alloy, Ø62mm x 30mm								disc
NCS HS49704B-6	(f)	CRM	Aluminium alloy, Ø62mm x 30mm								disc

	Cu	Fe	Mg	Mn	Ni	Pb	Si	Ti	Zn
(a)	0.184	0.671	0.0097	0.851	0.024	0.0043	0.588	0.018	0.028
(b)	0.097	0.537	0.032	1.2	0.049	(0.0027)	0.423	0.032	0.114
(c)	0.129	0.313	0.052	1.52	0.075	0.0067	0.287	0.06	0.047
(d)	0.057	0.242	0.073	1.93	0.109	0.017	0.145	0.088	0.081
(e)	0.228	0.83	0.101	0.544	0.152	0.019	0.695	0.123	0.165
(f)	0.0063	0.149	0.006	2.38	0.0046	0.0011	0.05	0.01	0.017

AlSn-alloys

Code	Product																	Unit
MBH-55X G02D10 L (a)	CRM	Al/Si/Cu alloy, Ø50x15mm																disc
MBH-55X G900J3 F (b)	RM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
BAS-IMI2WM1 (c)	CRM	BS 1490: LM 2, Mushsroom sample Ø approx 58 mm and approx. 7 mm thick																disc
VAW-3045-2 (d)	CRM	AlSi, AlSiCu, Ø 60x20 mm																disc
MBH-55X G26H4 D (e)	CRM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
MBH-54X G13H1 N (f)	CRM	Al/Si Alloy, Ø 40x13 mm																disc
MBH-57X G12H2 B (g)	RM	Al/Cu/Si Alloy, Ø 40x15 mm																disc
ALSUI-473/02 (h)	CRM	AlSi, Ø 60x25 mm																disc
VAW-2204 (i)	RM	AlMgSiPb, Ø 60x20 mm																disc
VAW-2201 (j)	RM	AlMgSiPb, Ø 60x20 mm																disc
MBH-55X G900J1 E (k)	RM	Al/Si/Cu Alloy, Ø 40x15 mm																disc
	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P	Pb	
(a)		0.0389			0.0012	0.0544	0.128	4.59	0.975			0.0206	0.0524		0.645		0.022	
(b)						0.07	0.25	0.41	0.29			0.38	0.56		0.21		0.14	
(c)							<0.005	1.69	0.26			0.005	0.6		0.39		0.21	
(d)				0.0049			0.0071	3.16	0.858		<0.0003	0.89	0.61	<0.0003	0.4	<0.001	0.16	
(e)			(0.025)				0.0623	3.72	0.511			1.64	0.165		0.909		0.12	
(f)		0.0078	<0.001	<0.002		0.0051	0.062	1.87	0.801			2.89	0.0137		1.83		0.24	
(g)							0.03	8.5	1.3			0.32	0.15		0.35		0.17	
(h)				0.002			0.013	0.96	0.194	0.008		1.08	0.062		1.2	0.0043	0.086	
(i)	<0.0005						0.0041	0.014	0.5			0.89	0.33			<0.001	0.97	
(j)	<0.0005			<0.0005			0.005	0.016	0.51			0.9	0.36				0.95	
(k)							0.002	1.02	0.81			0.94	0.008		0.005		0.35	
	Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
(a)	0.0086	7.33	0.138		0.0302	0.0341	2.77											
(b)	(0.029)	0.82	0.14		0.16		0.39											
(c)		8.9	0.2		0.2		2.42											
(d)		11.08	0.2	0.051	0.23		0.5											
(e)		10.37	0.234		0.304	0.0189	0.286											
(f)	<0.005	8.91	0.26	<0.001	0.112		0.37	<0.005										
(g)		2.57	0.27		0.15		0.71											
(h)		19.6	0.29		0.059	0.02	0.51	0.0076										
(i)		0.67	0.3		0.0115		0.025	0.001										
(j)		0.65	0.32		0.0091		0.027	0.0021										
(k)		0.14	0.32		<0.005		0.26											

AlSn-alloys

VAW-3043-4	(a)	CRM	AlSi, AlSiCu, Ø 60x20 mm															disc
MBH-511X G6262 A	(b)	CRM	Al/Mg Alloy with Bi, Sn and Pb, Ø 50x17 mm															disc
ALCOA-KA213	(c)	CRM	AlCu, Ø 64x25 mm															disc
MBH-511X G6023 A	(d)	CRM	Al/Mg Alloy with Bi, Sn and Pb, Ø 50x17 mm															disc
VAW-2210-1	(e)	CRM	AlMgSiPb, Ø 60x20 mm															disc
MBH-511X G6012A	(f)	CRM	Al/Mg Alloy with Bi, Sn and Pb, Ø 50x17 mm															disc
VAW-4213-1	(g)	RM	AlCu4Sn3, Ø 60x20 mm															disc
VAW-4211-1	(h)	RM	AlCu4Sn3, Ø 60x20 mm															disc
VAW-4212-1	(i)	RM	AlCu4Sn3, Ø 60x20 mm															disc
ALCOA-SS852	(j)	CRM	Al, divers, Ø 64x25 mm															disc
ALCOA-SS851	(k)	CRM	Al, divers, Ø 64x25 mm															disc
ALCOA-SS850	(l)	CRM	Al, divers, Ø 64x25 mm															disc
		Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	Ni
	(a)		<0.0003		0.0029	0.01	0.0013		0.091	2.86	0.78	0.016			0.64	0.55		0.65
	(b)			0.0011	0.444				0.121	0.267	0.58				0.881	0.163		0.028
	(c)								<0.0050	7.0x	1.0x				0.05x	0.30x		0.20x
	(d)			0.002	0.353				0.0054	0.451	0.51				0.512	0.556		0.036
	(e)		0.0003		0.41				0.17	0.093	0.35	0.0059			0.88	0.6		0.0037
	(f)			0.011	0.701				0.0223	0.351	0.71				0.712	0.424		0.048
	(g)		<0.0005			0.0021	0.005	0.0021	0.042	3.46	0.1	0.004			1.06	0.07		0.005
	(h)		<0.0005			0.001	0.0026	0.0013	0.017	3.2	0.157	0.0089			0.88	0.037		0.027
	(i)		0.0015			0.0002	0.0009	0.0012	0.0057	2.93	0.214	0.014			0.72	0.019		0.059
	(j)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	2.0x	0.35	0.02x	<0.0010	<0.0010	0.84	0.05x	<0.0010	1.2x
	(k)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	1.0x	0.45	0.015	<0.0010	<0.0010	0.03x	0.05x	<0.0010	0.5
	(l)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	1.1x	0.4	0.012	<0.0010	<0.0010	<0.0050	0.05x	<0.0010	1.1x
		P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)	0.0022	0.2	<0.0005		5.56	0.34	0.093	0.16	0.011	0.77	0.0015						
	(b)		0.0081			0.649	0.539		0.045		0.198	0.0051						
	(c)					2.0x	0.55		0.05x		1.0x							
	(d)		0.011			1.21	1.037		0.0117		0.026	0.011						
	(e)		0.046			1.07	1.21		0.1	0.0061	0.19							
	(f)		0.211			0.768	1.88		0.197		0.06	0.048						
	(g)		0.0036			0.32	3.41		0.0093	0.0051	0.055	0.0053						
	(h)		0.026			0.18	3.67		0.076	0.0058	0.027	0.0026						
	(i)		0.053			0.076	4.03		0.15	0.0057	0.0044	0.0019						
	(j)	<0.0010	<0.0030	<0.0010	<0.0010	0.22x	6.3x	<0.0010	0.04x	0.01x	0.05x	<0.0030						
	(k)	<0.0010	<0.0030	<0.0010	<0.0010	2.5x	6.3x	<0.0010	0.08x	0.01x	0.03x	<0.0030						
	(l)	<0.0010	<0.0030	<0.0010	<0.0010	0.5	6.3x	<0.0010	0.12x	0.01x	<0.0050	<0.0030						

AlZn-alloys

Code	Product																		Unit
ALCAN-72SAV	(a)	CRM	AlZn, Ø 57x25 mm																disc
ALCOA-SS7072	(b)	CRM	AlZn, Ø 64x25 mm																disc
ALSUI-742/01	(c)	CRM	AlZn, Ø 60x25 mm																disc
ALCAN-72SCAU	(d)	CRM	ALC-72S-CAU																disc
ALPEC-255	(e)	CRM	AlZn, Ø 55x30 mm																disc
ALSUI-743/01	(f)	CRM	AlZn, Ø 60x25 mm																disc
VAW-5060-1	(g)	CRM	AlZnMn, Ø 60x20 mm																disc
ALSUI-744/01	(h)	CRM	AlZn, Ø 60x25 mm																disc
MBH-517X LF1 A	(i)	CRM	Sacrificial Anode, 45 x 20 mm																disc
ALSUI-722/01	(j)	CRM	AlZn, Ø 60x25 mm																disc
ALCAN-420CAB	(k)	CRM	Rio Tinto Alcan CRM for Alloy AA7104, 57mm x 25mm, ~170g																disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn
	(a)					0.0007	0.040	0.0049			0.035	0.047	0.20	0.015			<0.0001	0.039	0.040
	(b)	<0.0010	<0.0010	<0.0010	<0.0005	<0.0010	<0.0005	<0.0010	<0.0010		0.03x	0.03x	0.28	0.02x	<0.0005		<0.0005	0.03x	0.04x
	(c)										0.012	0.05	0.3					0.065	0.053
	(d)			<0.0001	<0.0001	0.0001	0.0001				<0.001	0.003	(0.14)	0.010			<0.0001	<0.001	(0.002)
	(e)				0-0.0002						0.0520	0.2950	0.1450					0.258	0.0590
	(f)										0.012	0.1	0.15					0.039	0.1
	(g)	0.0017		<0.0005	0.0002			0.0006	0.001	0.0013	0.21	0.2	0.65	0.028			0.0006	0.098	1.29
	(h)										0.023	0.051	0.5					0.074	0.056
	(i)								<0.0005		(0.001)	0.002	0.101	0.0164		0.0187		0.0097	0.0013
	(j)										0.14	0.08	0.24					1.23	0.35
	(k)					<0.001					<0.001	(0.002)		(0.001)				<0.001	<0.001
			Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr				
	(a)		0.0022	0.040	(0.0001)	0.029			0.10	0.043		0.034	0.005	0.98					
	(b)	<0.0005	0.03x	<0.0010	<0.0030	<0.0010	<0.0010		0.14x	<0.0010	<0.0010	0.03x	0.01x	1.1x	<0.0030				
	(c)		0.011						0.15			0.016		1.29					
	(d)	<0.0001	0.003	0.0003	0.001				(0.05)	0.0006		(0.006)	0.015	(1.3)					
	(e)		0.0130		0.0110				0.03090	0.0100		0.0340		1.40					
	(f)		0.012						0.1			0.016		1.79					
	(g)	0.0009	0.065		0.049				0.35	0.006	<0.0002	0.051	0.022	2.12	0.26				
	(h)		0.012						0.21			0.028		2.77					
	(i)		0.001		(0.002)				0.248	(0.005)		0.0396		3.71					
	(j)		0.03						0.18			0.015		4.24	0.11				
	(k)	<0.0001	<0.001		<0.001					<0.001		<0.001	(0.002)	(4.5)					

AlZn-alloys

ALCAN-420AA	(a)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc
ALCAN-8050CAB	(b)	CRM	Rio Tinto Alcan CRM for Alloy AA7104, 57mm x 25mm, ~170g																	disc
ALSUI-715/02	(c)	CRM	AlZn, Ø 60x25 mm																	disc
ALCAN-6235AB	(d)	CRM	AlZn, Ø 57x25 mm																	disc
ALCAN-7003CAB	(e)	CRM	ALC-7003-CAB																	disc
ALCAN-7010CAD	(f)	CRM	ALC-7010-CAD																	disc
ALCAN-7010CAB	(g)	CRM	ALC-7010-CAB																	disc
MBH-58X G40H8 B	(h)	RM	Al/Zn Alloy, Ø 40x15 mm																	disc
ALCOA-SS711	(i)	CRM	AlZn, Ø 64x25 mm																	disc
ALCAN-6348CAD	(j)	CRM	Rio Tinto Alcan CRM for Alloy AA771.2, 57mm x 25mm, ~170g																	disc
MBH-58X G40H7 B	(k)	CRM	Al/Zn Alloy, Ø 40x15 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)						0.034				0.028	0.026	0.12	0.014			0.028	0.033		
	(b)							(4.9)									0.023			
	(c)										-0.33	0.3	0.6				0.45	0.351		
	(d)						0.048				0.040	0.046	0.15				0.031	0.040		
	(e)					<0.001	<0.001	0.0001			<0.001	(0.004)	(0.002)	<0.001		<0.0001	(0.70)	<0.001	0.0001	
	(f)				0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	1.83	(0.14)	<0.0001		<0.0001	2.4	(0.09)	<0.0001	
	(g)				<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	(1.89)	(0.140)	<0.0001		<0.0001	(2.51)	(0.081)	<0.0001	
	(h)										0.22	0.14	0.3				0.69	0.2		
	(i)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.03x	0.5	0.9	0.02x	<0.0010	<0.0010	0.4	0.03x	<0.0010	
	(j)				<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.14)	0.0001	(0.07)	<0.0001		<0.0001	(0.98)	0.0001	<0.0001	
	(k)					0.0012			0.027	0.026	0.0018	0.05	0.101			(0.0003)	0.304	0.078		
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.032		0.032			0.16	0.10		0.024		4.70							
	(b)												(4.9)							
	(c)		0.05					0.2			0.15		5.4							
	(d)		0.040		0.046			0.10	0.038		0.041		5.45							
	(e)		<0.001		<0.001			(0.001)	<0.001		<0.001	<0.001	(5.60)							
	(f)	<0.0001	<0.0001	<0.0001	<0.0001			0.10	0.0003	<0.0001	0.0001	<0.0001	6.22	(0.14)						
	(g)	0.0001	0.0001	0.0001	<0.0001			(0.11)	<0.0001	<0.0001	0.0001	0.0001	(6.45)	(0.15)						
	(h)	0.22		0.09				0.1	0.01		0.063		6.5	(0.004)						
	(i)	0.03x	<0.0010	<0.0030	<0.0010	<0.0010		0.15x	<0.0010	<0.0010	0.10x	0.01x	6.5x	<0.0030						
	(j)	<0.0001	0.0001	0.0003	<0.0001			(0.08)	<0.0001	<0.0001	(0.19)	<0.0001	(6.98)	<0.0001						
	(k)		0.142		0.054	0.007		0.161	0.067		0.0045	(0.0016)	7.16	0.003						

MBH-58X G40H6 B	(a)	RM	Al/Zn Alloy, Ø 40x15 mm																	disc
ALCOA-SS713	(b)	CRM	AlZn, Ø 64x25 mm																	disc
ALCAN-6052CAE	(c)	CRM	Rio Tinto Alcan AlZn, Ø 57x25 mm																	disc
			Ag	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Na	
	(a)					(0.002)			0.032	0.006	0.005	0.111	0.08			(0.004)	(0.003)	0.004		
	(b)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.06x	0.8	0.55	0.02x	<0.0010	<0.0010	0.4	0.20x	<0.0010	
	(c)				<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	(0.56)	(0.60)	<0.0001		<0.0001	(0.52)	<0.0001	<0.0001	
			Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)		0.008		<0.002	<0.0005		0.09	<0.005		0.064	<0.005	7.55	(0.004)						
	(b)		0.05x	<0.0010	<0.0030	<0.0010	<0.0010	0.12x	<0.0010	<0.0010	0.20x	0.01x	7.6x	<0.0030						
	(c)		<0.0001	<0.0001	<0.0001	<0.0001		(0.19)	<0.0001	<0.0001	<0.0001	<0.0001	(8.0)	<0.0004						

AlZn as Sets - individuals available

NCS HS49702A-1	(a)	CRM	Aluminium alloy ø62x30mm															disc
NCS HS49702A-2	(b)	CRM	Aluminium alloy ø62x30mm															disc
NCS HS49702A-3	(c)	CRM	Aluminium alloy ø62x30mm															disc
NCS HS49702A-4	(d)	CRM	Aluminium alloy ø62x30mm															disc
NCS HS49702A-5	(e)	CRM	Aluminium alloy ø62x30mm															disc
NCS HS49702A-6	(f)	CRM	Aluminium alloy ø62x30mm															disc
			Cr	Cu	Fe	Mg	Mn	Ni	Si	Ti	Zn	Zr						
	(a)		0.087	0.191	0.136	0.708	0.153	0.137	0.352	0.07	6.66	0.087						
	(b)		0.186	0.684	0.261	2.95	0.501	0.076	0.455	0.104	4.53	0.059						
	(c)		0.143	1.37	0.358	2.19	0.329	0.037	0.275	0.037	5.15	0.106						
	(d)		0.262	2.09	0.584	1.4	0.664	0.128	0.168	0.156	2.83	0.154						
	(e)		0.367	1.54	0.43	0.274	0.819	0.205	0.078	0.0061	8.3	0.0085						
	(f)		0.129	2.88	0.77	4.07	0.066	0.015	0.756	(0.26)	1.27	0.203						

NCS HS49720-1	(a)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49720-2	(b)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49720-3	(c)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49720-4	(d)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49720-5	(e)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49738-1	(f)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49738-2	(g)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49738-3	(h)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49738-4	(i)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49738-5	(j)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49743-1	(k)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49743-2	(l)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49743-3	(m)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49743-4	(n)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49743-5	(o)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc
NCS HS49743-6	(p)	CRM	Aluminium Alloy, Ø62mm x 30mm	disc

	Ca	Cr	Cu	Fe	Mg	Mn	Na	Ni	Si	Ti	Zn	Zr
(a)		0.021	0.015	0.122	0.842	0.095		0.011	0.044	0.01	5.78	0.067
(b)		0.077	0.041	0.206	1.16	0.243		0.039	0.115	0.019	5.2	0.104
(c)		0.119	0.086	0.312	1.35	0.397		0.067	0.177	0.035	4.41	0.138
(d)		0.179	0.116	0.396	1.94	0.556		0.099	0.284	0.059	3.5	0.204
(e)		0.222	0.119	0.481	1.76	0.719		0.145	0.401	0.073	2.78	0.235
(f)	0.00048	0.0026	1.83	0.283	3.17	0.043	0.0007	0.0043	0.147	0.014	7.24	0.019
(g)	0.0023	0.036	2.17	0.239	2.75	0.11	0.0027	0.037	0.13	0.05	6.42	0.092
(h)	0.00023	0.059	2.95	0.184	2.11	0.147	(0.000077)	0.062	0.082	0.086	5.35	0.162
(i)	0.001	0.101	3.48	0.041	1.88	0.207	0.00014	0.104	0.019	0.134	4.6	0.198
(j)	0.0012	0.13	2.43	0.113	1.4	0.254	0.0011	0.133	0.055	0.164	3.95	0.207
(k)			0.66	0.673	0.127	0.134			8.23		8.99	
(l)			0.408	0.409	0.217	0.291			6.85		11.14	
(m)			0.203	0.223	0.285	0.509			5.42		12.61	
(n)			0.251	0.536	0.421	0.402			7.22	0.194	13.02	
(o)			0.46	0.437	0.51	0.208			4.76	0.159	13.79	
(p)			0.544	0.224	0.713	0.072			3.41	0.107	16.5	

AlSiZn-alloys

Code	Product																			Unit
MBH-45X ZNAL11 A (a)	RM	Zn/Al (Galvalume), ø55x6mm																	disc	
SEI-NK6070-NDC1 (b)	CRM	AlMg: type 6070, Ø 55x25 mm																	disc	
MBH-45X ZNAL1 B (c)	RM	Zn/Al (Galvalume), ø55x6mm																	disc	
VAW-3400-2 (d)	CRM	AlZn, Ø 60x20 mm																	disc	
ALSUI-873/01 (e)	CRM	AlZnSi, Ø 60x25 mm																	disc	
VAW-3410-2 (f)	RM	AlZn, Ø 60x20 mm																	disc	
ALCAN-X4343AA (g)	CRM	Al Alloy, Ø 57x25 mm																	disc	
VAW-3401-2 (h)	CRM	Al-Zn10Si8, Ø 60x20 mm																	disc	
VAW-3402-2 (i)	CRM	AlZn, Ø 60x20 mm																	disc	
VAW-3403-2 (j)	CRM	AlZn, Ø 60x20 mm																	disc	
ALCAN-X4045AC (k)	CRM	AlSi, AlSiCu, Ø 57x25 mm																	disc	
		Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	P		
(a)						0.002				0.037	0.139		(0.001)	0.011						
(b)				0.0027	0.011	0.0019	0.0075	0.0089	0.094	0.14	0.597	0.04	(0.00008)	0.452	0.539	0.0014	0.028	(0.0018)		
(c)						0.0021				0.057	0.22		0.0015	0.044						
(d)	0.0008	0.0001			0.0002	0.0046	<0.0003		0.0018	0.047	0.25	0.0067		0.45	0.021		0.028	0.0021		
(e)									0.032	0.049	0.26			0.535	0.104		0.006			
(f)		0.0005				0.0006			0.0013	0.44	0.6			0.19	0.37		<0.005	0.002		
(g)			0.0016	0.019	0.0023i				0.025	0.048	0.53	0.025	0.0004i	0.051	0.046	0.0006i	0.029	0.0019		
(h)	<0.0002	<0.0005		<0.0002	0.0008	<0.0003			0.0035	0.061	0.27	0.0073		0.23	0.036		0.011	0.0006		
(i)	<0.0002	<0.0005		<0.0002	0.0028	<0.0003			0.0028	0.044	0.39	0.009		0.39	0.05		0.0025	0.0006		
(j)	<0.0002	<0.0005		<0.0003	0.0071	<0.0003			0.0095	0.075	0.59	0.0093		0.36	0.072		0.0055	0.0017		
(k)			0.0009	0.008	0.0024i	0.0013			0.013	0.015	0.32	0.016	0.0019i	0.015	0.013	0.0041i	0.014	0.0058		
		Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr										
(a)	0.01			2.21	0.008		0.012		27.4											
(b)	0.0085			2.29	0.019	0.0006	0.095	0.023	0.932	0.02										
(c)	0.021			3.07	0.017		0.016		24.6											
(d)	0.011	0.0003		6.87	0.0007	<0.0002	0.0065	0.0051	8.93	<0.001										
(e)				7.25			0.0154		11											
(f)	0.002			7.35		<0.001	0.0072		10.7											
(g)	0.016			7.57	0.017		0.031	0.028	0.98	0.026										
(h)	0.0011	<0.0001		7.99	<0.001	0.017	0.0051	0.0029	10.7	0.0026										
(i)	0.0009	<0.0001		8.94	<0.001	<0.0003	0.0081	0.0034	9.9	0.0014										
(j)	0.0032	<0.0002		9.35	<0.001	0.04	0.0087	0.0033	7.4	0.012										
(k)	0.008	0.0038		10.03	0.012	0.0029i	0.0129	0.0123	0.99	0.0031										

AlSiZn only as Set

NCS HS50711-1	(a)	CRM	Aluminium Z L D401 (only available as set of 5)				disc
NCS HS50711-2	(b)	CRM	Aluminium Z L D401 (only available as set of 5)				disc
NCS HS50711-3	(c)	CRM	Aluminium Z L D401 (only available as set of 5)				disc
NCS HS50711-4	(d)	CRM	Aluminium Z L D401 (only available as set of 5)				disc
NCS HS50711-5	(e)	CRM	Aluminium Z L D401 (only available as set of 5)				disc

	Cu	Fe	Mg	Mn	Si	Zn
(a)	0.68	0.43	0.1	0.38	7	11
(b)	0.89	0.67	0.17	0.19	7	11
(c)	0.24	1.01	0.2	0.28	7	11
(d)	0.42	0.24	0.4	0.56	7	11
(e)	0.15	0.15	0.65	0.95	7	11

Special milling machine HK81F



Technical features

Semi-automatic machine for reproducible surface preparation of non-ferrous metal samples for emission and X-ray spectrometer analysis.

- Compact desk-top machine
- Fully contained working compartment with halogen lighting
- Continuous setting of spindle and cutting speed
- Display of cutting speed, frequency, voltage and current
- Clean operation and millings collection container
- Automatic sample feeding with adjustable speed and exact depth setting.

The standard machine and control unit comes with the following accessories: three-point-chuck with reverse brackets, set of tools, lubricant, dust brush, tool for cutter positioning and exchange, transport handles.

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LGC Quality - ISO Guide 34 • GMP/GLP • ISO 9001 • ISO/IEC 17025 • ISO/IEC 17043

Selected Elements in Aluminium Standards

Silver in Aluminium

Code	Product																				Unit
ALPEC-9209	(a)	CRM	Al, pure, Raffination, Ø 55x30 mm																	disc	
ALPEC-9207	(b)	CRM	Al, pure, Raffination, Ø 55x30 mm																	disc	
ALPEC-9208	(c)	CRM	Al, pure, Raffination, Ø 55x30 mm																	disc	
ALPEC-9210	(d)	CRM	Al, pure, Raffination, Ø 55x30 mm																	disc	
MBH-51X G00H3 D	(e)	CRM	Residuals in Al, Ø 50x20 mm																	disc	
ALSUI-144/01	(f)	CRM	Al, pure, Ø 60x25 mm																	disc	
SEI-NK1S-NDC7	(g)	CRM	Pure Aluminium: type 1S, Ø 55x25 mm																	disc	
VAW-1412-1	(h)	CRM	Al, pure, Ø 60x20 mm																	disc	
ALSUI-124/04	(i)	CRM	Al, pure, Ø 60x25 mm																	disc	
SEI-NK2S-NDC10	(j)	CRM	Pure Aluminium: type 2S, Ø 55x25 mm																	disc	
MBH-51X G00H5 B	(k)	CRM	Residuals in Al, Ø 50x20 mm																	disc	
		Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	La			
	(a)	0.000024					0-0.000005			0.00171	0-0.000006				0.01063		0.000006	0.00192			
	(b)	0.00058					0.00035			0.000009	0.00053				0.00032		0.00012	0-0.000005			
	(c)	0.00128					0-0.000005			0.00063	0.000008				0.00436		0.00045	0.00081			
	(d)	0.00497					0.00133			0.000017	0.00187				0.00133		0.00194	0-0.000005			
	(e)	0.0079	(0.0003)				0.076		0.0186		0.0042	0.095	0.399	0.313	0.01	<0.001					
	(f)	0.01										0.034	0.2	0.73							
	(g)	0.01		0.01			0.02		0.01		0.01		0.01	0.01			0.01				
	(h)	0.011		<0.0003	0.0011	0.0004	0.0012	0.0012	0.0094		0.003	0.02	0.095	0.52	0.0097	<0.0002	<0.0001				
	(i)	0.019		0.0002		0.0019	0.0151	0.0003	0.021	0.0451	0.0201	0.0509	0.0533	0.145	0.0365			0.0307			
	(j)	0.096				0.017	0.093		0.086		0.097	0.104	0.189	0.516	0.105		0.095				
	(k)	0.11	(0.0005)				0.13		0.0103		0.045	0.0249	0.227	0.49	0.0122	<0.001					
		Li	Mg	Mn	Na	Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)					0.00187		0.00002			0.000021					0.00406					
	(b)					0.00024		0.00039			0.00055					0.000030					
	(c)					0.00105		0.0041			0.000053					0.00193					
	(d)					0.00089		0.00096			0.00186					0-0.00003					
	(e)		0.0077	0.21		0.0115		0.055	0.0025	0.895	0.083		0.0043	0.0142	0.097	0.0095					
	(f)	0,0012-0,0025	0.16	0.1	0,0037-0,0065	0.022		0.006		0.065	0.005		0.053	0.036	0.055	0.007					
	(g)	0.00					(0.003)	0.02	(0.009)	0.01	0.01										
	(h)	0.0009	0.016	0.016	0.0064	0.019	0.0063	0.0067	0.0012	0.26	<0.001	0.0005	0.019	0.012	0.019	0.002					
	(i)	0,00060-0,00080	0.0558	0.054	0,0014-0,0020	0.0592		0.0232	0.0252	0.105	0.0208		0.0505	0.0449	0.0515	0.0054					
	(j)		0.093	0.098		0.099		0.095		0.517	0.095		0.099	0.107	0.197	0.104					
	(k)		0.11	0.196		0.161		0.13	0.056	0.739	0.201		0.1	0.0295	0.479	0.0005					

Selected Elements in Aluminium Standards

VAW-2108-1	(a)	CRM	AlMg, Ø 60x20 mm																disc
ALSUI-211/02	(b)	CRM	AlCu, Ø 60x25 mm																disc
		Ag	Al	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	
	(a)	(0.235)	(96.1)	<0.0001	0.0038	<0.0005	0.0064	<0.0002	0.0535	0.0543	0.202	0.96	0.0532	<0.0002	<0.0002	<0.0001	0.191	0.157	
	(b)	0.448						0.0009		0.0055	4.4	0.088					0.169	0.153	
		Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(a)	0.0112	0.194	0.00056	0.0964	<0.001	<0.0002	0.96	0.17	0.095	0.206	0.114	0.1053	0.00278					
	(b)		0.0084		0.0027			0.064	0.002		0.265	0.0079	0.0095	0.0025					

Boron in Aluminium

ALPEC-436-2A	(a)	CRM	Al, pure, with B, Ca, Li + Na, Ø 55x30 mm																disc
ALPEC-212	(b)	CRM	AlMg, Ø 55x30 mm																disc
ALPEC-436-1A	(c)	CRM	Al, pure, with B, Ca, Li + Na, Ø 55x30 mm																disc
ALPEC-11524	(d)	CRM	Al, pure, with Bor, Ø 55x30 mm																disc
ALPEC-214	(e)	CRM	AlMg, Ø 55x30 mm																disc
ALPEC-11525	(f)	CRM	Al, pure, with Bor, Ø 55x30 mm																disc
ALPEC-11526	(g)	CRM	Al, pure, with Bor, Ø 55x30 mm																disc
ALPEC-215-1	(h)	CRM	AlMg, Ø 55x30 mm																disc
ALPEC-437-3A	(i)	CRM	Al, pure, with B, Ca, Li + Na, Ø 55x30 mm																disc
ALPEC-437-2A	(j)	CRM	Al, pure, with B, Ca, Li + Na, Ø 55x30 mm																disc
ALPEC-217-2	(k)	CRM	AlMg, Ø 55x30 mm																disc
		B	Ca	Fe	Li	Mg	Na	Si											
	(a)	0.00010	0-0.0001	(0.21)	0.0118		0.0100	(0.11)											
	(b)	0.00011	0.00018	(0.2)		(0.8)		(0.1)											
	(c)	0.00011	0-0.0001	(0.21)	0.0112		0.0095	(0.11)											
	(d)	0.0004		(0.1)				(0.05)											
	(e)	0.00072	0.00060	(0.2)		(0.8)		(0.1)											
	(f)	0.0012		(0.1)				(0.05)											
	(g)	0.0021		(0.1)				(0.05)											
	(h)	0.00235	0.00160	(0.2)		(0.8)		(0.1)											
	(i)	0.0026	0.0016	(0.22)	0.00103		0.0015	(0.11)											
	(j)	0.0028	0.0016	(0.22)	0.00109		0.0015	(0.11)											
	(k)	0.00527	0.00224	(0.2)		(0.8)		(0.1)											

Selected Elements in Aluminium Standards

ALPEC-425/01	(a)	CRM	Certified Reference Material, Al pure						disc
ALPEC-425/02	(b)	CRM	Certified Reference Material, Al pure						disc
ALPEC-424A	(c)	CRM	Al, pure, with B, Ca, Li + Na, Ø 55x30 mm						disc
		B	Ca	Fe	Li	Na	Si		
	(a)	0.0074	0.0035	(0.18)	0.0430	0.0222	(0.1)		
	(b)	0.0074	0.0037	(0.18)	0.0467	0.0250	(0.1)		
	(c)	0.0080	0.00034	(0.18)	0.000004	0-0.00001	(0.09)		
ALCOA-BN1	(a)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN2	(b)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN3	(c)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN4	(d)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN5	(e)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN11	(f)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN12	(g)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN13	(h)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-BN14E	(i)	CRM	Al, divers, Ø 64x25 mm						disc
		B							
	(a)	0.0005-0.0034							
	(b)	0.0035-0.0074							
	(c)	0.0075-0.014							
	(d)	0.015-0.025							
	(e)	0.026-0.034							
	(f)	0.0005-0.0034							
	(g)	0.0035-0.0074							
	(h)	0.0075-0.014							
	(i)	0.015-0.025							

Beryllium in Aluminium

ALSUI-134/11	(a)	CRM	Al, pure, Ø 60x25 mm																disc
ALCOA-BE1	(b)	CRM	Al, divers, Ø 64x25 mm																disc
ALCOA-BE2	(c)	CRM	Al, divers, Ø 64x25 mm																disc
		B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	Pb	Si	
	(a)	(0,005)	0.00065	(0,001)	(0,0035-0,0045)	(0,001)	(0,0006)	0-0,0002	(0,003)	(0,25)	(0,0006)	0,0065-0,0075	(0,003)	(0,002)	0,0070-0,0082	(0,001)	(0,0014)	(0,15)	
	(b)		0.0005-0.0025																
	(c)		0.0035-0.0065																
		Sn	Ti	V	Zn	Zr													
	(a)	(0,001)	(0,0001)	0-0,0001	(0,002)	0-0,0001													

Calcium in Aluminium

ALCOA-CA11	(a)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA1	(b)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA12	(c)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA2	(d)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA13	(e)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA3	(f)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA14	(g)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA15	(h)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-CA4	(i)	CRM	Al, divers, Ø 64x12 mm	disc
		Ca		
	(a)	0.0005-0.0024		
	(b)	0.0005-0.0034		
	(c)	0.0025-0.0064		
	(d)	0.0035-0.0084		
	(e)	0.0065-0.012		
	(f)	0.0084-0.024		
	(g)	0.013-0.020		
	(h)	0.021-0.040		
	(i)	0.025-0.060		

Cobalt in Aluminium

ALCOA-CO1	(a)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-CO2	(b)	CRM	Al, divers, Ø 64x25 mm	disc
		Co		
	(a)	0.001x		
	(b)	0.007x		

Selected Elements in Aluminium Standards

Cadmium (and Lead) in Aluminium

NIST-1710	(a)	CRM	Aluminum Alloy 3004		disc
NIST-1713	(b)	CRM	Aluminum Alloy 5182		disc
NIST-1714	(c)	CRM	Aluminum Alloy 5182		disc
NIST-1711	(d)	CRM	Aluminum Alloy 3004		disc
NIST-1715	(e)	CRM	Aluminum Alloy 5182		disc
NIST-1712	(f)	CRM	Aluminum Alloy 3004		disc
ALCOA-CD1	(g)	CRM	Al, divers, Ø 64x25 mm		disc
ALCOA-CD2	(h)	CRM	Al, divers, Ø 64x25 mm		disc
ALCOA-CD3	(i)	CRM	Al, divers, Ø 64x25 mm		disc
ALCOA-CD4	(j)	CRM	Al, divers, Ø 64x25 mm		disc
		Cd	Pb		
	(a)	0.000843	0.00177		
	(b)	0.000878	0.001712		
	(c)	0.002013	0.00653		
	(d)	0.00209	0.00639		
	(e)	0.00502	0.01509		
	(f)	0.005165	0.01559		
	(g)	0.0005-0.0044			
	(h)	0.0045-0.010			
	(i)	0.015-0.034			
	(j)	0.035-0.060			

Copper in Aluminium

ALCOA-CU1	(a)	CRM	Al, divers, Ø 64x25 mm		disc
ALCOA-CU2	(b)	CRM	Al, divers, Ø 64x25 mm		disc
ALCOA-CU3	(c)	CRM	Al, divers, Ø 64x25 mm		disc
ALCOA-CU7	(d)	CRM	Al, divers, Ø 64x25 mm		disc
		Cu	Fe	Si	
	(a)	1.0x	0.25	0.15	
	(b)	2.5x	0.25	0.15	
	(c)	4.5x	0.25	0.15	
	(d)	20.0	0.25	0.15	

Iron in Aluminium

ALCOA-FE4	(a)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE6	(b)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE7	(c)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE8	(d)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE9	(e)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE10	(f)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE11	(g)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-FE12	(h)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-SSA2800	(i)	CRM	Al, divers, Ø 64x25 mm	disc
		Cu	Fe	Si
	(a)	(0.01)	0.25	(0.1)
	(b)	(0.01)	0.60	(0.1)
	(c)	(0.01)	0.80	(0.1)
	(d)	(0.01)	1.0x	(0.1)
	(e)	(0.01)	1.2x	(0.1)
	(f)	(0.01)	1.5x	(0.1)
	(g)	(0.01)	2.0x	(0.1)
	(h)	(0.01)	2.5x	(0.1)
	(i)	0.03x	3.0x	0.25

Antimony in Aluminium

ALCOA-AN1	(a)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-AN2	(b)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-AN3	(c)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-AN11	(d)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-AN4	(e)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-AN12	(f)	CRM	Al, divers, Ø 64x25 mm	disc
		Sb		
	(a)	0.005x		
	(b)	0.015x		
	(c)	0.04x		
	(d)	0.05x		
	(e)	0.09x		
	(f)	0.10x		

Selected Elements in Aluminium Standards

Antimony and Gallium in Aluminium

ALPEC-203	(a)	CRM	AlMg, Ø 55x30 mm																disc
ALPEC-9716	(b)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-9706	(c)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-9720	(d)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-9711	(e)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-9718	(f)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-9709	(g)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-9714	(h)	CRM	AlSi, Ø 55x30 mm																disc
ALPEC-02002	(i)	CRM	AlSi, AlSiCu, Ø 55x30 mm																disc
ALPEC-9704	(j)	CRM	AlSi, Ø 55x30 mm																disc
			As	B	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	Mo	Ni	Pb	Sb
	(a)		(0.0037)	0.00009	(0.00024)	0-0.00003	0.00051			(0.28)		0-0.00005	0.00006	(4.8)	(0.37)	0-0.0001			0.000013
	(b)									(0.18)	0.0032			(0.32)					0.00010
	(c)									(0.2)	0.0035			(0.39)					0.00046
	(d)									(0.11)	0.0089			(0.26)					0.0060
	(e)									(0.16)	0.0091			(0.39)					0.0063
	(f)									(0.08)	0.0166			(0.31)					0.0115
	(g)									(0.08)	0.0168			(0.4)					0.0115
	(h)									(0.04)	0.0409			(0.3)					0.0148
	(i)			0.0009				(0.2)	(5.5)	(0.3)				(2)	(0.1)		(3.6)	0.0042	0.0166
	(j)								(0.42)	(0.04)	0.0395								0.0194
			Si	Sn	Ti	V	Zn	Zr											
	(a)		(0.12)			0.000024													
	(b)		(9.6)		(0.15)														
	(c)		(7)		(0.13)														
	(d)		(9.4)		(0.1)														
	(e)		(6.9)		(0.1)														
	(f)		(9.2)		(0.1)														
	(g)		(7.1)		(0.1)														
	(h)		(9.2)		(0.11)														
	(i)		(9.2)	0.0043	(0.1)	(0.1)	0.0036	0.057											
	(j)		(6.9)		(0.12)														

Mercury in Aluminium

ALPEC-4200	(a)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-172	(b)	CRM	Al, pure, Ø 55x30 mm																	disc
ALPEC-137	(c)	CRM	AlMn, Ø 55x30 mm																	disc
ALPEC-4017	(d)	CRM	Al, pure, Ø 55x30 mm																	disc
ALPEC-202	(e)	CRM	AlMg, Ø 55x30 mm																	disc
ALPEC-138	(f)	CRM	AlMn, Ø 55x30 mm																	disc
ALPEC-4270	(g)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-4018	(h)	CRM	Al, pure, Ø 55x30 mm																	disc
ALPEC-151	(i)	CRM	AlMn, Ø 55x30 mm																	disc
ALPEC-174	(j)	CRM	Al, pure, Ø 55x30 mm																	disc
ALPEC-200	(k)	CRM	AlMg, Ø 55x30 mm																	disc
			As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	Li	Mg	Mn	Mo	Na	Pb	
	(a)		0.0359					0.0115		(0.18)		(1.07)	0.00002			(0.014)			0.0107	
	(b)		0.000007	0.00021	0.00002	0.00010	(0.00022)					(0.26)	0.00010	(0.000006)			0.00015	0-0.00002		
	(c)		(0-0.00002)			0.00027	0.00014	0.00011	0.00017		(0.15)	(0.3)	0.00010	0.00002	(1.2)	(1.3)			0-0.0002	
	(d)		0.0257					0.0114		(0.0022)	(0.0094)	(1.24)	0.00015			(0.0077)			0.0121	
	(e)		0.0006	0.00013			(0.00004)	0.00013	0.00015			(0.28)	0.00017	0.000009	(4.6)	(0.37)	0.00014			
	(f)		(0.0004)			0.00153	0.00035	0.00113	0.00058		(0.15)	(0.3)	0.00043	0.00006	(1.2)	(1.3)			0.00125	
	(g)		0.0024					0.00060		(0.17)		(0.59)	0.00057			(0.056)			0.00063	
	(h)		0.0061					0.00252		(0.0019)	(0.0069)	(1.02)	0.00077			(0.0231)			0.00200	
	(i)		(0.0175)			0.00365	0.00005	0.0021	0.00201		(0.16)	(0.3)	0.00142	0.00060	(1.2)	(1.3)			0-0.0002	
	(j)		0.0068	0.0033	0.00043	0.00135	(0.00052)					(0.26)	0.00165	(0.00039)			0.0027	(0.00021)		
	(k)		0.0031	0.00162			(0.00062)	0.00226	0.00212			(0.26)	0.00232	0.00141	(4.8)	(0.36)	0.00010			
			Sb	Se	Si	V	Zr													
	(a)				(1.2)															
	(b)		0.00021	0.00010	(0.12)		0.00026													
	(c)		0.00009	0-0.00002	(0.21)	0.00012														
	(d)				(0.73)															
	(e)		0.000009		(0.13)	0.00193														
	(f)		0.00052	0-0.00002	(0.22)	0.00104														
	(g)				(1.11)															
	(h)				(0.74)															
	(i)		0.0016	0-0.00002	(0.21)	0.00158														
	(j)		0.0043	0.0011	(0.12)		(0.005)													
	(k)		0.00146		(0.14)	0.00113														

Selected Elements in Aluminium Standards

ALPEC-4190	(a)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-4029	(b)	CRM	Al, pure, Ø 55x30 mm																	disc
ALPEC-152	(c)	CRM	AlMn																	disc
ALPEC-201	(d)	CRM	AlMg, Ø 55 x 32 mm																	disc
ALPEC-4260	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm																	disc
ALPEC-4028	(f)	CRM	Al, pure, Ø 55x30 mm																	disc
			As	B	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	Li	Mg	Mn	Mo	Pb	Sb	Se	
	(a)		0.0084				0.00222		(0.17)		(0.79)	0.0024			(0.031)		0.00176			
	(b)		0.0028				0.00074		(0.0002)	(0.0039)	(0.79)	0.0030			(0.0552)		0.00035			
	(c)		(0.0213)		0.00021	0.00011	0.0106	0.0099		(0.16)	(0.3)	0.0064	0.00103	(1.2)	(1.3)		0.0102	0.0098	0-0.00002	
	(d)		(0.0037)	0.0037		(0.0007)	0.0117	0.0095			(0.31)	0.0137	0.0094	(4.6)	(0.38)	0.0075		0.0093		
	(e)		0.00006				0-0.0001		(0.16)		(0.38)	0.0138			(0.076)		0-0.00025			
	(f)		0.00032				0-0.0001		(0.0018)	(0.0039)	(0.62)	0.0142			(0.1056)		0.00021			
			Si	V																
	(a)		(1.2)																	
	(b)		(0.72)																	
	(c)		(0.21)	0.00338																
	(d)		(0.15)	0.00040																
	(e)		(1.11)																	
	(f)		(0.7)																	

Lithium in Aluminium

ALCOA-LI1	(a)	CRM	Al, divers, Ø 64x12 mm															disc
ALCOA-LI2	(b)	CRM	Al, divers, Ø 64x12 mm															disc
ALCOA-LI3	(c)	CRM	Al, divers, Ø 64x12 mm															disc
ALCOA-LI4	(d)	CRM	Al, divers, Ø 64x12 mm															disc
ALCOA-LI5	(e)	CRM	Al, divers, Ø 64x12 mm															disc
ALCOA-LI6	(f)	CRM	Al, divers, Ø 64x12mm															disc
			Li															
	(a)		0.0002-0.0009															
	(b)		0.0010-0.0024															
	(c)		0.0025-0.0064															
	(d)		0.0065-0.010															
	(e)		0.011-0.020															
	(f)		0.021-0.030															

Lithium in Aluminium as Sets. For NCS individuals available

NCS HS49730-1	(a)	CRM	Aluminium alloy Ø45x25mm															disc
NCS HS49730-2	(b)	CRM	Aluminium alloy, Ø45mm x 25mm															disc
NCS HS49730-3	(c)	CRM	Aluminium alloy, Ø45mm x 25mm															disc
NCS HS49730-4	(d)	CRM	Aluminium alloy, Ø45mm x 25mm															disc
NCS HS49730-5	(e)	CRM	Aluminium alloy, Ø45mm x 25mm															disc
PB ALLI2	(f)	RM	AlLiMg, Ø 55x25mm/set															set
PB ALLI3	(g)	RM	AlLiCu, 40x38x25mm/set															set

	Ag	Be	Ca	Cr	Cu	Fe	K	Li	Mg	Mn	Na	Ni	Si	Ti	Zn	Zr
(a)	0.224				2.45			1.76	0.584					0.104		0.045
(b)	0.234				3.12			1.28	0.473					0.092		0.061
(c)	0.425				3.83			0.387	0.417					0.025		0.097
(d)	0.455				4.57			1.23	0.274					0.052		0.126
(e)	0.59				5.43			0.954	0.19					0.027		0.142
(f)		0.0023	0.004	0.001	0.017	0.035	(0.0004)	2.15	5.32	0.0021	0.001	0.0038	0.007	0.001	(0.0008)	0.068
(g)		0.050		0.002	2.67	0.10		2.01	0.043	0.007		0.001	0.022	0.044	0.0051	0.10

Manganese in Aluminium

ALCOA-MN3	(a)	CRM	Al, divers, Ø 64x25 mm															disc
	(a)	Mn																
		0.70																

Sodium in Aluminium

ALPEC-1947	(a)	CRM	AlSi, AlSiCu, Ø 55x30 mm															disc
ALPEC-975	(b)	CRM	AlMnMg, Ø 55 x 32 mm															disc
ALPEC-1227	(c)	CRM	AlMn, Ø 55x30 mm															disc
ALPEC-231	(d)	CRM	AlMg, Ø 55x30 mm															disc
ALPEC-004	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm															disc
ALPEC-8035	(f)	CRM	AlSi, AlSiCu, Ø 55x30 mm															disc
		B	Bi	Ca	Cu	Fe	Mg	Mn	Na	Ni	Si	Sr	Ti					
	(a)			0.00010	(1.4)	(0.1)	(1.2)		0-0.000005	(1.1)	(12)		(0.1)					
	(b)	0.0022			(0.15)	(0.3)	(1)	(1)	0.00018		(0.2)							
	(c)	0.00048			(0.15)	(0.3)	(0.9)	(1)	0.000019		(0.2)							
	(d)		0-0.00001			(0.2)	(4.6)	(0.15)	0.00002		(0.1)							
	(e)			0.00019	(1)	(0.1)	(1.2)		0.00003	(1)	(18)		(0.1)					
	(f)			0.00057		(0.1)	(0.4)		0-0.0002		(7)	0.0801	(0.1)					

Selected Elements in Aluminium Standards

ALPEC-230	(a)	CRM	AlMg, Ø 55x30 mm												disc
ALPEC-9826	(b)	CRM	AlMn, Ø 55x30 mm												disc
ALPEC-005-1	(c)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-232	(d)	CRM	AlMg, Ø 55x30 mm												disc
ALPEC-1948	(e)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-6082	(f)	CRM	AlMg, Ø 55x30 mm												disc
ALPEC-1225	(g)	CRM	AlMn, Ø 55x30 mm												disc
ALPEC-233	(h)	CRM	AlMg, Ø 55x30 mm												disc
ALPEC-006-1	(i)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-1949-1	(j)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-1949-2	(k)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-1226	(l)	CRM	AlMn, Ø 55x30 mm												disc
ALPEC-9913	(m)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-6083	(n)	CRM	AlMg, Ø 55x30 mm												disc
ALPEC-1950-1	(o)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-1950-2	(p)	CRM	AlSi, AlSiCu, Ø 55x30 mm												disc
ALPEC-932	(q)	CRM	AlSi, on request												disc
		B	Bi	Ca	Cu	Fe	Mg	Mn	Na	Ni	Pb	Si	Sr	Ti	
	(a)		0.00066			(0.2)	(4.6)	(0.15)	0.00038			(0.1)			
	(b)				(0.15)	(0.3)	(0.9)	(1)	0.00081			(0.3)			
	(c)			0.00345	(1)	(0.1)	(1.2)		0.00086	(1)		(18)		(0.1)	
	(d)		0.00198			(0.2)	(4.6)	(0.15)	0.00119			(0.1)			
	(e)			0.00350	(1.4)	(0.1)	(1.2)		0.00126	(1.1)		(12)		(0.1)	
	(f)	0.00319				(0.2)	(0.5)		0.00134		0.00370	(0.5)			
	(g)	0.00260			(0.15)	(0.3)	(1)	(1)	0.00144			(0.2)			
	(h)		0.00459			(0.2)	(4.6)	(0.15)	0.00202			(0.1)			
	(i)			0.00890	(1)	(0.1)	(1.2)		0.00245	(1)		(18)		(0.1)	
	(j)			0.00735	(1.5)	(0.1)	(1.2)		0.00292	(1.1)		(12)		(0.1)	
	(k)			0.00755	(1.5)	(0.1)	(1.2)		0.00320	(1.1)		(12)		(0.1)	
	(l)	0.01040			(0.15)	(0.3)	(0.9)	(1)	0.00344			(0.2)			
	(m)			0.00311		(0.1)	(0.4)		0.00355			(7)	0.0454	(0.1)	
	(n)	0.00899				(0.2)	(0.5)		0.00369		0.00660	(0.5)			
	(o)			0.01230	(1.4)	(0.1)	(1.3)		0.00510	(1.1)		(12)		(0.1)	
	(p)			0.01230	(1.4)	(0.1)	(1.3)		0.00552	(1.1)		(12)		(0.1)	
	(q)			0.0050-0.0081		(0.1)	(0.4)		0.0054-0.0127			(7)	0.0140-0.0211	(0.1)	

ALCOA-NA1	(a)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA2	(b)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA3	(c)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA4	(d)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA5	(e)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA11	(f)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA12	(g)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA13	(h)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA14	(i)	CRM	Al, divers, Ø 64x12 mm	disc
ALCOA-NA15	(j)	CRM	Al, divers, Ø 64x12 mm	disc
		Na		
	(a)	0.0005-0.0024		
	(b)	0.0025-0.0064		
	(c)	0.0065-0.012		
	(d)	0.013-0.020		
	(e)	0.021-0.030		
	(f)	0.0005-0.0024		
	(g)	0.0025-0.0064		
	(h)	0.0065-0.012		
	(i)	0.013-0.020		
	(j)	0.021-0.030		

Nickel in Aluminium

ALCOA-NI4	(a)	CRM	Al, divers, Ø 64x25 mm							disc
ALCAN-8001CAB	(b)	CRM	ALC-8001-CAB							disc
ALCAN-8001CAC	(c)	CRM	ALC-8001-CAC							disc
ALCOA-NI5	(d)	CRM	Al, divers, Ø 64x25 mm							disc
					</					

Phosphorus in Aluminium

ALPEC-6084	(a)	CRM	Al, pure, with Phosphor, Ø 55x30 mm										disc
ALPEC-6049	(b)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-8054-2	(c)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-8054-1	(d)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6085	(e)	CRM	Al, pure, with Phosphor, Ø 55x30 mm										disc
ALPEC-8045	(f)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6076-2	(g)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6076-1	(h)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6075	(i)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6078	(j)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6051	(k)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-977	(l)	CRM	Aluminium, Ø55mm x 32mm										disc
ALPEC-6052	(m)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-6079	(n)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-9813-2	(o)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm										disc
ALPEC-8041	(p)	CRM	Aluminium-Si/Ca/Na/P										disc
ALCOA-P1	(q)	CRM	Alcoa CRM for Phosphorus in 10.5% Si, 64mm x 25mm										disc
			Ca	Cu	Fe	Mg	Na	Ni	P	Si	Sr	Ti	
	(a)				(0.04)				0.00002	(0.04)			
	(b)				(0.1)	(0.3)			0.00004	(7)		(0.01)	
	(c)	0.01442			(0.11)	(0.4)	0.00869		0.00020	(9.7)		(0.1)	
	(d)	0.01425			(0.11)	(0.4)	0.00806		0.00020	(9.7)		(0.1)	
	(e)				(0.070)				0.00021	(0.040)			
	(f)	0.00887			(0.2)	(0.4)	0.00456		0.00027	(9.8)		(0.09)	
	(g)	0.00595	(3)		(0.1)	(0.3)	0.00505		0.00034	(5)		(0.1)	
	(h)	0.00595	(3)		(0.1)	(0.3)	0.00480		0.00034	(5)		(0.1)	
	(i)	0.00973	(3)		(0.1)	(0.3)	0.00939		0.00038	(5)		(0.1)	
	(j)	0.00176	(3)		(0.1)	(0.3)	0.00189		0.00114	(5)		(0.1)	
	(k)				(0.1)	(0.3)			0.00118	(7.0)		(0.01)	
	(l)	0.0022			(0.2)	(0.4)	0.0009		0.0017	(9.5)		(0.1)	
	(m)				(0.1)	(0.3)			0.00210	(7.1)		(0.01)	
	(n)	0.00037	(3)		(0.1)	(0.3)	0.000025		0.00229	(5)		(0.1)	
	(o)		(1.4)		(0.2)	(1.3)		(1.1)	0.0031	(11)	0.0034	(0.1)	
	(p)	0.00090			(0.14)	(0.4)	0.00053		0.00333	(9.5)		(0.09)	
	(q)								0.005x				

ALPEC-9506	(a)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm						disc
ALPEC-9507	(b)	CRM	AlSi, AlSiCu, with Phosphor, Ø 55x30 mm						disc
			Cu	Fe	Mg	Ni	P	Si	Ti
	(a)		(1.2)	(0.5)	(1)	(0.9)	0.0160	(12)	(0.1)
	(b)		(1.2)	(0.5)	(1)	(0.9)	0.0165	(12)	(0.1)

Silicium in Aluminium

ALCOA-SI1	(a)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI2	(b)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI3	(c)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI4	(d)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI5	(e)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI6	(f)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI7	(g)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI8	(h)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-SI9	(i)	CRM	Al, divers, Ø 64x25 mm						disc
			Fe	Si					
	(a)		(0.5)	0.50					
	(b)		(0.5)	1.0x					
	(c)		(0.5)	1.6x					
	(d)		(0.5)	2.2x					
	(e)		(0.5)	3.0x					
	(f)		(0.5)	5.0x					
	(g)		(0.5)	7.0x					
	(h)		(0.5)	10.0					
	(i)		(0.5)	12.5					

Titanium in Aluminium

ALCOA-TI2	(a)	CRM	Al, divers, Ø 64x25 mm						disc
ALCOA-TI3	(b)	CRM	Al, divers, Ø 64x25 mm						disc
			Ti						
	(a)		0.15x						
	(b)		0.30						

Selected Elements in Aluminium Standards

Zinc in Aluminium

ALCOA-ZN1	(a)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZN2	(b)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZN4	(c)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZN5	(d)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZN6	(e)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZN7	(f)	CRM	Al, divers, Ø 64x25 mm	disc
		Zn		
	(a)	0.25		
	(b)	0.60		
	(c)	2.6x		
	(d)	4.0x		
	(e)	7.0x		
	(f)	10.0		

Zirconium in Aluminium

ALCOA-ZR1	(a)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZR11	(b)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZR2	(c)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZR3	(d)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZR13	(e)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZR14	(f)	CRM	Al, divers, Ø 64x25 mm	disc
ALCOA-ZR15	(g)	CRM	Al, divers, Ø 64x25 mm	disc
		Zr		
	(a)	0.0035-0.014		
	(b)	0.01x		
	(c)	0.015-0.044		
	(d)	0.045-0.070		
	(e)	0.08x		
	(f)	0.16x		
	(g)	0.26		

Aluminium for RoHS / WEEE

Code	Product																Unit		
ALSUI-351/02	(a)	CRM	Al with As, Cd, Hg + Pb, Ø 60x25mm																disc
ALSUI-352/02	(b)	CRM	Al with As, Cd, Hg + Pb, Ø 60x25mm																disc
ALSUI-353/02	(c)	CRM	Al with As, Cd, Hg + Pb, Ø 60x25mm																disc
			As	Cd	Cr	Cu	Fe	Hg	Mg	Mn	Ni	Pb	Si	Ti	V	Zn	Zr		
	(a)		0.00135	0.0013	(0,001)	(0,15)	(0,46)	0.00094	(1,08)	(1,16)	(0,003)	0.0025	(0,26)	(0,025)	(0,011)	(0,052)	(0,005)		
	(b)		0.00142	0.0021	(0,0007)	(0,15)	(0,48)	0.0022	(1,06)	(1,13)	(0,003)	0.0039	(0,26)	(0,019)	(0,01)	(0,049)	(0,005)		
	(c)		0.0061	0.005	(0,001)	(0,15)	(0,46)	0.0059	(1,08)	(1,16)	(0,003)	0.0053	(0,26)	(0,025)	(0,011)	(0,052)	(0,005)		

ROHS/WEEE as Sets - individuals available

NCS HS49727-1	(a)	CRM	Aluminium alloy, Ø62mm x 30mm													disc
NCS HS49727-2	(b)	CRM	Aluminium alloy, Ø62mm x 30mm													disc
NCS HS49727-3	(c)	CRM	Aluminium alloy, Ø62mm x 30mm													disc
NCS HS49727-4	(d)	CRM	Aluminium alloy, Ø62mm x 30mm													disc
NCS HS49727-5	(e)	CRM	Aluminium alloy, Ø62mm x 30mm													disc
NCS HS49727-6	(f)	CRM	Aluminium alloy, Ø62mm x 30mm													disc
NCS HS49735-1	(g)	CRM	Aluminium alloy, Ø45mm x 40mm													disc
NCS HS49735-2	(h)	CRM	Aluminium alloy, Ø45mm x 40mm													disc
NCS HS49735-3	(i)	CRM	Aluminium alloy, Ø45mm x 40mm													disc
NCS HS49735-4	(j)	CRM	Aluminium alloy, Ø45mm x 40mm													disc
NCS HS49735-5	(k)	CRM	Aluminium alloy, Ø45mm x 40mm													disc
NCS HS49735-6	(l)	CRM	Aluminium alloy, Ø45mm x 40mm													disc

	As	Cd	Cu	Hg	Pb
(a)	0.017	0.0038	0.082		0.0022
(b)		0.019	0.469		0.011
(c)	0.038	0.01	0.284		0.029
(d)	0.011	0.027	0.08		0.019
(e)	0.0057				
(f)	0.024				
(g)		0.0017		0.0038	0.0023
(h)		0.0047		0.039	0.006
(i)		0.0088		0.059	0.011
(j)		0.0085		0.0027	0.01
(k)		0.017		0.0039	0.019
(l)		0.037		0.0062	0.035



Setting-Up Samples

Setting Up Samples / Recalibration

Setting-up Samples by ARMI

Code	Product																		Unit		
IARM-220F-G	(a)	SUS	Aluminium, SUS - QA 10 , Ø57x38mm																		disc
IARM-221A-G	(b)	SUS	Aluminium, SUS - QA 11, Ø38x19mm																		disc
IARM-221B-G	(c)	SUS	Aluminium, SUS - QA 11, Ø38x19mm																		disc
IARM-221C-G	(d)	SUS	Aluminium, SUS - QA 11, Ø38x19mm																		disc
IARM-221D-G	(e)	SUS	Aluminium, SUS - QA 11, Ø38x19mm																		disc
			B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Mo	Na	Ni	P		
	(a)		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		(0.0002)	(0.0003)	<0.0001	<0.0001	(0.0002)	(0.0001)	<0.0001	<0.0001	<0.0001	(0.0001)		
	(b)			(0.005)		(0.03)		(0.2)	(0.22)	(0.6)	(0.2)	(0.03)		(4.8)	(0.4)						
	(c)			(0.005)		(0.03)		(0.2)	(0.22)	(0.6)	(0.2)	(0.03)		(4.8)	(0.4)						
	(d)			(0.005)		(0.03)		(0.2)	(0.22)	(0.6)	(0.2)	(0.03)		(4.8)	(0.4)						
	(e)			(0.005)		(0.03)		(0.2)	(0.22)	(0.6)	(0.2)	(0.03)		(4.8)	(0.4)						
			Sb	Si	Sn	Sr	Ti	V	Zn	Zr											
	(a)		(0.0001)	(0.0003)	<0.0001	<0.0001	<0.0001	<0.0001	(0.0002)	<0.0001											
	(b)		(0.01)	(0.2)			(0.1)		(6.8)												
	(c)		(0.01)				(0.1)		(6.8)												
	(d)		(0.01)				(0.1)		(6.8)												
	(e)						(0.1)		(6.8)												

Setting Up Samples SUS

SUS-3.1645	(a)	SUS	Recalibration sample: Aluminium, AlCuMgPb, Ø 40x30mm												disc
SUS-3.2315	(b)	SUS	Recalibration sample: Aluminium, AlMgSi 1, Ø 40x30mm												disc
SUS-3.3525	(c)	SUS	Recalibration sample: Aluminium, AlMg3Mn0.3, Ø 40x30mm												disc
SUS-3.4345	(d)	SUS	Recalibration sample: Aluminium, AlZnMgCu, Ø 40x30mm												disc
			Cr	Cu	Fe	Mg	Mn	Ni	Pb	Sb	Si	Sn	Ti	Zn	
	(a)		(0.03)	(3.26)	(0.39)	(0.91)	(0.58)	(0.02)	(>0.80)	(0.008)	(0.57)	(0.03)	(0.06)	(0.60)	
	(b)		(0.108)	(0.01)	(0.1)	(0.71)	(0.62)	(0.004)	(<0.001)	(0.001)	(1.04)	(0.004)	(0.04)	(0.025)	
	(c)		(0.001)	(0.004)	(0.17)	(2.8)	(0.22)	(0.002)	(0.002)		(0.08)	(0.002)	(0.009)	(0.007)	
	(d)		(0.2)	(1.48)	(0.29)	(2.55)	(0.09)	(0.005)	(0.01)		(0.15)	(0.02)	(0.03)	(5.59)	
SUS-RALCE+	(a)	SUS	Aluminium with Ce, 40x40mm												disc
SUS-RALCE/3	(b)	SUS	Aluminium with Ce, 40x40mm												disc
			Ce	La	Mg	Nd	Pr	Sm	Y	Zr					
	(a)		(0.09)	(0.4)	4.5	(0.1)	(0.07)	(0.01)	(0.2)	(0.02)					
	(b)		0.7	0.3		0.1									
SUS-RAL10+	(a)	SUS	SUS-RA10:High Purity Aluminium, SUS, Ø 50x50 mm												disc
SUS-RAL16+	(b)	SUS	SUS-RA16:AlSiCuNi,SUS, Ø 55x50 mm												disc

Setting Up Samples / Recalibration

Code	Product																		Unit		
SUS-RAL18+	(c)	SUS	SUS-RA18:AlSiFeMgZn, SUS, Ø 50x50 mm																		disc
SUS-RAL19+	(d)	SUS	SUS-RA19:AlSiFeMgZn, SUS, Ø 50x50 mm																		disc
SUS-RAL20+	(e)	SUS	SUS-RA20:AlSi13Cu5Ni2, Ø 50x50 mm																		disc
SUS-200	(f)	SUS	Al, SUS: Si=10 %, Fe=0,5 %, Mg=0,5 %, Zn=10 %, Ti=0,12 %, Sr=0,025 %, Cu=0,1 %, Ø 50x50 mm																		disc
			Ag	Al	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	In	Li	Mg	Mn		
	(a)		<0.0005	99.96		<0.0005	<0.0001	<0.0020	<0.0005	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010		
	(b)		<0.001			0.01	<0.001	<0.001	0.002	0.01	<0.001	0.003	4	0.2	0.01	<0.001	<0.001	0.2	<0.001		
	(c)		0.002	70.8	0.004	0.003	<0.001	0.005	0.006	0.001	0.006	0.004	8.26	0.42	0.011	0.001	<0.001	0.25	0.32		
	(d)		0.2	76.88		0.002	0.005	0.18	<0.005	0.018	0.29	0.21	0.68	1.22	0.07	0.15	0.01	8.47	1.17		
	(e)					0.0007	<0.0001		0.005		0.017	0.09	5.2	0.7			0.001	1	0.25		
	(f)												0.1	0.6				0.5			
			Na	Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)		<0.0001	<0.0020		<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010							
	(b)		0.003	2.7	0.005	0.4	>0.2	15	0.1	0.03	<0.001	<0.001	0.3	0.002							
	(c)		0.003	2.7	0.01	0.28	0.3	15.95	0.21	0.05	<0.001	0.004	0.32	0.004							
	(d)		0.001	0.62	0.002	0.01	0.02	1.19	0.06	0.003	0.22	0.13	7.82	0.13							
	(e)		0.008	2.7	0.02	0.1	0.008	13.5	0.06	0.004	0.05	0.1	0.17	0.09							
	(f)							10		0.02	0.12		10								
SUS-CAL0	(a)	SUS	AlSi to check Argonsystem, Ø 50x50 mm																		disc
SUS-CAL2	(b)	SUS	Al, Check Sample, Ø 50x50 mm																		disc
SUS-CAL3	(c)	SUS	Al, Check Sample, Ø 50x50 mm																		disc
SUS-CAL4	(d)	SUS	Al, Check Sample, Ø 50x50 mm																		disc
SUS-CAL5	(e)	SUS	Al, Check Sample, 50x50mm																		disc
			Al	B	Ca	Cr	Cu	Fe	Ga	Mg	Mn	Ni	P	Pb	Si	Sn	Ti	Zn			
	(a)		(X)												(X)						
	(b)					0.0036	0.0614	0.439	0.01	0.809	0.662				1.205		0.052	0.05			
	(c)		96			0.001	0.004	0.17	0.011	2.8	0.215	0.002		0.002	0.08	0.002	0.009	0.007			
	(d)		75	0.0008	0.009		0.01	5		<0.001	0.03	1.9		<0.01	18			<0.01			
	(e)		85.3	0.001		0.08	1.4	0.7		1.9	0.08	1.3	0.005	0.07		0.07	0.09	0.24			

SUS by Brammer

BS-2011	(a)	SUS	Aluminum SUS, Ø 62 x 50 mm													disc
BS-2017	(b)	SUS	Aluminum SUS, Ø 62 x 50 mm													disc
BS-2024	(c)	SUS	Aluminum SUS, Ø 62 x 50 mm													disc
BS-6061	(d)	SUS	Aluminum setup sample, Ø 62 x 50 mm													disc
BS-7075	(e)	SUS	Aluminum SUS, Ø 62 x 50 mm													disc
			Bi	Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	V	Zn	Zr
	(a)		0.44	0.001	5.2	0.32	0.016	0.01	0.004	0.56	0.052	0.001	0.006	0.007	0.024	<0.002
	(b)		0.002	0.015	4.05	0.25	0.51	0.51	0.006	0.01	0.3	0.002	0.02	0.007	0.065	0.002
	(c)		0.002	0.03	4.7	0.2	1.3	0.57	0.006	0.006	0.08	0.001	0.03	0.01	0.07	0.01
	(d)		0.006	0.05	0.29	0.19	0.81	0.01	0.004	0.01	0.55	<0.001	0.024	0.01	0.04	<0.002
	(e)		<0.001	0.19	1.4	0.13	2.26	0.03	0.005	0.003	0.1	0.001	0.028	0.006	5.6	0.006

Samples from former AluSuisse

ALSUI-AS20/01+	(a)	CRM	Al-Typ-Recalibration sample, Ø 60x25 mm																	disc
ALSUI-AS20/02+	(b)	CRM	Al-Typ-Recalibration sample, Ø 60x25 mm																	disc
ALSUI-AS40/01+	(c)	CRM	Al-Typ-Recalibration sample, Ø 60x25 mm																	disc
ALSUI-AS50/01+	(d)	CRM	Al-Typ-Recalibration sample, Ø 60x25 mm																	disc
ALSUI-AS60/01+	(e)	CRM	Al-Typ-Recalibration sample, Ø 60x25 mm																	disc
ALSUI-AS70/02+	(f)	CRM	Al-Typ-Recalibration sample, Ø 60x25 mm																	disc
			Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Li	Mg	Mn	Na	Ni	Pb	Sb	Si	
	(a)							0.105	4.54	0.301		0.0006	1.6	0.73	0.0011	0.05	0.0093		0.217	
	(b)		0.00052	0.05	0.0006	0.0013	0.0012	0.104	4.65	0.31	0.016	0.00055	1.57	0.694	(0,002)	0.052	0.051		0.204	
	(c)				0.0025			0-0,001	1.01	0.7			1.09	0.254	0-0,0001	2.5			12.15	
	(d)		0.005	0.0173				0.1	0.084	0.347		0.0006	4.5	0.85	0.0011	0.03	0.009		0.22	
	(e)			0.0048				0.0258	0.033	0.253			0.794	0.0397		0.0113	0.0058	0.0045	0.639	
	(f)							0.209	1.62	0.291		0.00092-0.00101	2.71	0.165	0.0014-0.0018	0.031	0.011		0.157	
			Sn	Ti	V	Zn	Zr													
	(a)			0.064	0.027	0.177														
	(b)		0.0125	0.0562	0.0245	0.201	0.14													
	(c)			0.106		0.21														
	(d)			0.04	0.026	0.101														
	(e)		0.0036	0.0216	0.0147	0.0259														
	(f)			0.03	0.023	5.53	0.119													

Setting Up Samples / Recalibration

ALSUI-RC10/01+	(a)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC11-05	(b)	SUS	Aluminium, SUS, Ø60mm x 35mm															disc
ALSUI-RC20/01+	(c)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC20/02+	(d)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC40/02+	(e)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC40/03	(f)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC41/01	(g)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC50/02	(h)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC60/01+	(i)	SUS	Al, SUS, Ø 60x35 mm															disc
ALSUI-RC60/02+	(j)	SUS	Al, SUS, Ø 60x35 mm															disc
		Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg	In	La
	(a)	(0-0,0002)		(0-0,0002)	(0-0,0001)	(0-0,0001)	(0-0,0002)	(0-0,0001)	(0-0,0002)		(0-0,0002)	(0-0,0002)	(0,0002)	(0,001)	(0-0,0002)		(0-0,0002)	
	(b)	(0.01)	(0.005)		(0.005)	(0.0018)	(0.0081)	(0.0027)	(0.005)	(0.0026)	(0.012)	(0.014)	(0.016)	(0.046)	(0.021)	(0.005)	(0.01)	(0.013)
	(c)	(0.6)					(0.4)		(0.05)		(0.5)		(6)	(0.05)				
	(d)	(0.73)					(0.38)		(0.036)		(0.44)		(6)	(0.061)				
	(e)							(0.0131)					(1.03)	(1.19)				
	(f)							(0.0195)					(1.03)	(1.23)				
	(g)							(0.004)	(0.001)			(0.03)	(5.1)	(0.4)	(0.01)			
	(h)			(0.005)	(0.02)	(0.005)		(0.02)	(0.2)	(0.1)		(0.5)	(0.003)	(0.85)	(0.03)		(0.05)	(0.1)
	(i)						(0.1)					(0.2)	(0.2)	(0.5)	(0.01)			
	(j)						(0.1)					(0.2)	(0.29)	(0.49)	(0.011)			
		Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	W	Zn
	(a)	(0-0,0001)	(0-0,0003)	(0-0,0002)		(0-0,0001)	(0-0,0002)	(0,001)	(0-0,0002)	(0-0,0003)		(0-0,002)	(0-0,0002)	(0-0,0001)	(0-0,0002)	(0-0,0002)		(0-0,0005)
	(b)	(0.0006)	(0.016)	(0.016)	(0.047)	(0.003)	(0.01)	(0.0028)	(0.015)	(0.013)	(0.0086)	(0.023)	(0.017)	(0.007)	(0.015)	(0.017)	(0.0045)	(0.02)
	(c)		(0.2)	(0.3)			(1.5)		(0.5)	(0.2)		(0.03)	(0.05)					(0.3)
	(d)		(0.29)	(0.24)			(1.45)		(0.41)	(0.2)		(0.029)	(0.051)					(0.24)
	(e)		(1.09)						(0.1)		(0.2)	(13.2)	(0.21)	(0.14)	(0.2)			(6.03)
	(f)		(1.05)						(0.11)		(0.2)	(12.5)	(0.21)	(0.14)	(0.2)			(6.14)
	(g)		(0.09)	(0.5)			(0.02)		(0.02)			(5.9)	(0.02)	(0.02)	(0.03)	(0.008)		(1.3)
	(h)	(0.003)	(4.5)	(0.005)	(0.03)	(0.004)	(0.5)	(0.005)		(0.05)		(0.5)	(0.3)	(0.02)		(0.01)	(0.04)	(0.02)
	(i)		(0.9)	(1)			(0.1)	(0.005)				(1.5)			(0.2)	(0.1)		(0.1)
	(j)		(0.92)	(1.1)			(0.1)	(0.0045)				(1.34)			(0.21)	(0.11)		(0.1)
		Zr																
	(a)	(0-0,0002)																
	(b)	(0.016)																
	(c)	(0.2)																
	(d)	(0.17)																
	(g)	(0.005)																
	(h)	(0.01)																

SUS and Monitors by former Pechiney

ALPEC-10914+	(a)	SUS	Al, SUS, Ø 60x40 mm																	disc
ALPEC-20001	(b)	SUS	Al SUS, Ø 50x50 mm																	disc
ALPEC-2001	(c)	SUS	AlSiCu, Monitor sample, Ø 50x50 mm																	disc
ALPEC-2003	(d)	SUS	AlSiCu, Monitor sample, Ø 50x50 mm																	disc
ALPEC-2004	(e)	SUS	Setting up sample, Al pure																	disc
ALPEC-2006	(f)	SUS	Setting up sample, Al pure																	disc
ALPEC-2150+	(g)	SUS	Al, SUS, Ø 60x40 mm																	disc
ALPEC-310	(h)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-325	(i)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-327	(j)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-60548+	(k)	SUS	Al, SUS, Ø 60x40 mm																	disc
			Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	In	Li	Mg	Mn	Mo	
	(a)					(0.7)					(0.3)	(0.2)					(1.2)			
	(b)						(0.0033)				(3.1)	(0.48)					(0.23)	(0.22)		
	(c)						(0.002)				(2.9)	(0.7)					(0.22)	(0.23)		
	(d)						(0.001)				(3)	(0.71)					(0.22)	(0.23)		
	(e)				(0.01)		(0.03)	(0.02)			(0.08)	(0.11)	(0.03)			(0.01)	(6.1)	(0.07)		
	(f)				(0.01)		(0.03)	(0.01)			(0.07)	(0.11)	(0.03)			(0.01)	(6.2)	(0.07)		
	(g)	(0.9)				(0.02)			(0.04)	(0.06)	(0.6)				(0.06)		(0.9)	(0.4)	(0.04)	
	(h)							(0-0.0002)		(0.0028)	(0.0037)	(0.58)		(0-0.00002)		(0.00004)	(0.0003)	(0.0078)		
	(i)			(0.0007)			(0.0011)			(0.011)	(0.003)	(0.27)					(0.74)	(0.005)		
	(j)				(0.00002)		(0.0011)	(0-0.0001)		(0.025)	(0.16)	(0.35)		(0-0.0001)			(1.18)	(0.93)		
	(k)	(0-0.001)			(0-0.001)	(0-0.001)	(0-0.001)	(0-0.001)	(0-0.001)	(0-0.001)	(0-0.01)	(0-0.01)	(0-0.001)			(0-0.001)	(0-0.001)	(0-0.001)		
			Na	Ni	P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr						
	(a)					(0.8)		(0.9)			(0.05)									
	(b)	(0.00004)	(0.03)	(0.001)	(0.01)			(5.4)	(0.01)		(0.07)		(0.14)							
	(c)		(0.05)		(0.07)			(8.5)	(0.012)		(0.08)		(0.13)							
	(d)	(0.0003)	(0.05)		(0.07)			(8.6)	(0.012)		(0.08)		(0.13)							
	(e)	(0.03)	(0.07)		(0.04)			(1.1)	(0.06)		(0.06)		(7.7)	(0.02)						
	(f)	(0.02)	(0.06)		(0.04)			(1.2)	(0.06)		(0.06)		(7.8)	(0.02)						
	(g)		(0.5)		(0.8)			(10.6)	(0.3)	(0.1)	(0.3)	(0.02)	(1.2)							
	(h)	(0-0.00002)	(0.004)		(0.0019)			(0.16)			(0.004)		(0.017)							
	(i)	(0.0001)	(0-0.001)		(0.001)			(0.1)			(0.01)	(0.006)	(0.021)	(0.0005)						
	(j)	(0.0006)	(0.004)		(0.002)			(0.23)			(0.007)		(0.016)							
	(k)	(0-0.001)	(0-0.001)		(0-0.001)	(0-0.001)	(0-0.001)	(0-0.01)	(0-0.001)	(0-0.001)	(0-0.001)	(0-0.001)	(0-0.001)	(0-0.001)						

Setting Up Samples / Recalibration

ALPEC-9313	(a)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9321	(b)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9324	(c)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9325	(d)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9326	(e)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9327	(f)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9401	(g)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9415	(h)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9517	(i)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9520	(j)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9601	(k)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9614	(l)	SUS	Al, SUS, Ø 50x50 mm																	disc
			Be	Ca	Cd	Cr	Cu	Fe	Hg	Mg	Mn	Na	Ni	P	Pb	Sb	Si	Sn	Sr	
	(a)			(0.0009)			(0.003)	(0.1)		(0.32)	(0.005)	(0-0.0004)	(0-0.002)	(0.0011)	(0-0.0004)	(0-0.0003)	(8.8)	(0.0004)		
	(b)						(4.2)	(0.13)		(0.27)	(0.02)	(0-0.00002)	(0.01)		(0.001)		(0.07)			
	(c)	(0.0001)	(0.0003)	(0-0.0001)	(0.0007)	(0.0055)	(0.24)			(4.28)	(0.4)	(0-0.00002)			(0.007)		(0.11)			
	(d)	(0.0001)	(0.0003)	(0-0.0001)	(0.0007)	(0.0069)	(0.24)			(4.33)	(0.4)	(0-0.00002)			(0.007)		(0.11)			
	(e)		(0-0.0007)			(0.01)	(0.15)			(0.003)	(0.005)	(0-0.0004)	(0.003)	(0.0017)	(0.001)	(0-0.0003)	(12.8)	(0.0003)		
	(f)		(0-0.0007)			(0.01)	(0.15)			(0.003)	(0.005)	(0-0.0004)	(0.003)	(0.0017)	(0.001)	(0-0.0003)	(12.8)	(0.0003)		
	(g)				(0.006)	(1.58)	(0.12)			(2.29)	(0.01)	(0-0.00002)	(0.007)				(0.04)			
	(h)		(0.0006)			(1.24)	(0.53)			(1)	(0.12)	(0.00004)	(0.86)	(0.0058)	(0.01)	(0.01)	(11.7)	(0.01)		
	(i)		(0.009)			(2.8)	(0.48)			(0.3)	(0.25)	(0.001)	(0.02)	(0.002)	(0.02)	(0.01)	(6.4)	(0.01)	(0.014)	
	(j)		(0.0044)			(0.012)	(0.1)			(0.34)	(0.005)	(0.0005)	(0.003)	(0.0009)	(0-0.0001)	(0-0.008)	(6.6)	(0.0004)	(0.052)	
	(k)		(0.0026)			(1.21)	(0.43)			(1.09)	(0.12)	(0.0003)	(1.1)	(0.0086)	(0.006)	(0.02)	(17.3)	(0.004)	(0.0058)	
	(l)		(0.0009)	(0.0001)	(0.21)	(0.043)	(0.18)	(0.0004)	(2.28)	(0.055)	(0.00006)	(0.01)			(0.0057)		(0.08)			
			Ti	Zn	Zr															
	(a)		(0.12)	(0.01)																
	(b)		(0.21)	(0.04)																
	(c)		(0.005)	(0.014)																
	(d)		(0.005)	(0.014)																
	(e)		(0.006)	(0.01)																
	(f)		(0.006)	(0.01)																
	(g)		(0.032)	(5.84)	(0.13)															
	(h)		(0.02)	(0.07)																
	(i)		(0.13)	(0.2)																
	(j)		(0.12)	(0.017)																
	(k)		(0.08)	(0.07)																
	(l)		(0.019)	(0.051)	(0.02)															

ALPEC-9627	(a)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9630	(b)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9632	(c)	SUS	Al, SUS, Ø 50x50 mm																	disc
ALPEC-9806-1+	(d)	SUS	Al, SUS, Ø 60x40 mm																	disc
ALPEC-9809+	(e)	SUS	Al, SUS, Ø 60x40 mm																	disc
			Bi	Cd	Co	Cr	Cu	Fe	Hg	Li	Mg	Mn	Na	Ni	P	Pb	Sb	Si	Ti	
	(a)			(0-0.0001)		(0.0223)	(0.13)	(0.57)	(0.0001)	(0.00002)	(0.0004)	(1.06)	(0-0.00002)	(0.001)				(0.2)	(0.022)	
	(b)			(0.0002)		(0.0216)	(0.062)	(0.46)	(0.0001)	(0.00007)	(0.0006)	(0.0123)	(0.00003)	(0.008)		(0.0035)		(0.1)	(0.018)	
	(c)					(0.0181)	(4.1)	(0.32)			(0.48)	(0.71)				(0.0096)		(0.8)	(0.022)	
	(d)	(0.7)			(0.9)	(0.3)	(6.9)	(1.3)			(0.08)	(1.9)					(0.4)	(0.08)		
	(e)							(0.5)						(1.9)	(0.01)			(5.5)		
			V	Zn	Zr															
	(a)			(0.057)	(0.01)															
	(b)			(0.054)																
	(c)			(0.033)	(0.033)															
	(d)			(0.05)																
	(e)	(0.12)			(0.14)															

Special-SUS for older ARL

OES-RA10	(a)	SUS	High Purity aluminium, Ø 40x40 mm										disc	
OES-RA13	(b)	SUS	AlCuPb-Testsample, Ø 40x40 mm										disc	
OES-RA20	(c)	SUS	AlSiCuZn Leg., Ø 40x40 mm										disc	
			Cr	Cu	Fe	Mg	Mn	Ni	Pb	Si	Sn	Ti	Zn	
	(a)			0.002	0.002					0.003				
	(b)	0.05		4	0.5	0.8	0.7	0.05	2	0.5	0.02	0.03	0.4	
	(c)			2.54	0.96	0.14	0.28	0.1	0.16	8.6	1.13	0.076		

Setting Up Samples / Recalibration

Alcoa SUS																			
ALCOA-SQ10+	(a)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ11+	(b)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ12+	(c)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ13+	(d)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ14+	(e)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ15+	(f)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ16+	(g)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ17+	(h)	SUS	Al, SUS, Ø 64x37 mm																disc
ALCOA-SQ18+	(i)	SUS	Al, SUS, Ø 64x25 mm																disc
ALCOA-SQ19+	(j)	SUS	Al, SUS, Ø 64x25 mm																disc
		Ag	Al	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	Li	Mg	Mn	
	(a)		99,999																
	(b)					0.005		0.02		0.01	0.25	0.5	0.2	0.03			3	0.4	
	(c)	0.05				0.005	0.06		0.2	0.01		4.8	0.6	0.03	0.01		0.15	1.1	
	(d)					0.005	0.04		0.04	0.01	0.04	0.04	0.6	0.03			0.04	0.04	
	(e)					0.002	0.5					0.5	0.1				0.9	0.4	
	(f)										0.05	0.5	0.7				1.2	0.05	
	(g)											10	1				0.3	0.2	
	(h)					0.005	0.08				0.25	0.35	0.4	0.03			1.6	0.12	
	(i)				(0.02)											(0.02)			
	(j)			0.03															
		Na	Ni	P	Pb	Sb	Sc	Si	Sn	Sr	Ti	V	Zn	Zr					
	(b)							0.2			0.1		6.6						
	(c)		0.25		0.06			1.1	0.06			0.1	0.2	0.15					
	(d)		0.04		0.04			0.5	0.04		0.04	0.04	0.04	0.4					
	(e)		0.4		0.5			0.1	0.1		0.1		1.2						
	(f)		2.5					12		0.02	0.1								
	(g)		0.2					4					0.2						
	(h)		0.12		0.1			0.7	0.1		0.08	0.03	0.12						
	(i)	(0.02)																	
	(j)			0.014		0.02	0.2												

SUS from VAW (Hydro)

VAW-E0+	(a)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E1+	(b)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E2+	(c)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E3+	(d)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E4+	(e)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E5+	(f)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E8+	(g)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E10+	(h)	SUS	Al, SUS, Ø 60x40 mm																disc
VAW-E13+	(i)	SUS	Al, SUS, Ø 60x40 mm																disc
			Ag	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	In	Li	Mg	Mn	Na
	(a)		<0.00001	<0.00004	<0.00001	<0.00001	<0.00002	<0.00004	<0.00002	<0.00001	<0.00003	<0.00004	<0.00005	<0.00001	<0.00001	<0.00001	<0.00006	<0.00002	<0.00002
	(b)		<0.00001	<0.0002	<0.0001	<0.00001	<0.00005	<0.0001	<0.00002	<0.00001	<0.00005	<0.0004	<0.0003	<0.00002	<0.00001	<0.00001	<0.0003	<0.00005	<0.0001
	(c)		0.23			0.004		0.006		0.04	0.05	0.2	0.9	0.06			0.2	0.18	0.007
	(d)			0.01				0.009				4				0.007			
	(e)		0.2						0.06	0.4	0.2						1.1	0.7	
	(f)					0.2										0.01	4.6	1.3	
	(g)		0.005		0.004	0.001	0.005	0.003	0.0025	0.0025	0.005	0.02	0.017	0.006	0.005		0.005	0.006	
	(h)		<0.00005	<0.0002	<0.0003	<0.00002	<0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0004	<0.0005	<0.0001	<0.0002	<0.00002	<0.0003	<0.0001	<0.0001
	(i)												4.8						
			Ni	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)		<0.00001	<0.00001	<0.00002	<0.00008	<0.00002	<0.00002	<0.00005	<0.00003	<0.00005	<0.00003							
	(b)		<0.00005	<0.00005	<0.0001	<0.0005	<0.00002	<0.00005	<0.0001	<0.00003	<0.0002	<0.00005							
	(c)		0.2	0.1		0.9	0.19	0.11	0.2	0.1	0.1								
	(d)		1	0.4	0.3	10													
	(e)										5.2	0.2							
	(g)		0.004	0.003	0.008	0.012	0.004	0.002	0.004	0.003	0.05	0.004							
	(h)		<0.0001	<0.0002	<0.0003	<0.0010	<0.0003	<0.00005	<0.0001	<0.0002	<0.0003	<0.0001							

Other SUS

SEI-NKRST600	(a)	SUS	Aluminium - Setting-up sample, Ø 55x30 mm																disc
MBH-164X ALSUS7	(b)	SUS	Aluminium Setting-up Sample, Ø 50x25 mm																disc
MBH-164X ALSUS8	(c)	SUS	Aluminium Setting-up Sample, Ø 50x25 mm																disc
VASKUT-AL4N+	(d)	SUS	Aluminium, SUS, Ø 50x35 mm																disc
VASKUT-AMS1+	(e)	SUS	Aluminium, SUS, 45x35 mm																Each
VASKUT-ASC1+	(f)	SUS	Aluminium, SUS , Ø 45x35 mm																disc
			Ag	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	In	Li	Mg	Mn	Na	Ni
	(a)		0.01	(0.001)	0.005	0.04	0.002	0.01	0.01	0.3	0.5	0.6	0.03	0.01	0.0001	1.3	1.3	0.001	0.05
	(b)				0.1		<0.001		0.2	0.01	4	0.55				0.15	0.06		1.1
	(c)		0.09		0.015		<0.001		0.025	0.06	0.75	0.25				0.9	0.45		0.12
	(d)			0.00006	0.00001	0.00001	0.00002	0.0001		0.00006	0.0025	0.0016	0.00005		0.00002	0.0015	0.0002	0.0001	0.00004
	(e)			0.004	0.002	0.01	0.01	0.03		0.2	0.6	0.8	0.01		0.01	1.3	0.5	0.005	0.02
	(f)				0.003	0.1	0.02	0.05		0.2	6	1.6	0.04			1.2	0.4		0.6
			P	Pb	Sb	Si	Sn	Sr	Ti	V	Zn	Zr							
	(a)		0.002	0.05	0.04	1.5	0.05	(0.0005)	0.1	0.02	0.3	0.04							
	(b)			0.11	0.12	0.9	0.01	0.003	0.3		0.12	0.18							
	(c)			0.001	0.03	9.5	0.13	0.07	0.02		0.25	0.025							
	(d)			0.0001	0.0002	0.0013	0.00005	0.0001	0.00006	0.0001	0.0003	0.00005							
	(e)			0.05	0.02	1.2	0.03		0.2	0.03	0.4								
	(f)			0.1	0.02	14	0.1	0.03	0.5	0.02	0.5	0.01							



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Index

Index

ALCAN-1050AJ	15	ALCAN-3004CAN	131	ALCAN-5042-AC	99	ALCAN-6351CAL	26
ALCAN-1100AK	87	ALCAN-3005AD	130	ALCAN-5042CAB	99	ALCAN-6392AC	118
ALCAN-1100AY	87	ALCAN-3005CAB	130	ALCAN-5052CAL	98	ALCAN-6449CAB	93
ALCAN-1145AD	20	ALCAN-3005CAF	130	ALCAN-5052DAK	97	ALCAN-6463AC	21
ALCAN-1145AE	20	ALCAN-3102AD	87	ALCAN-5056AD	101	ALCAN-6475CAB	114
ALCAN-1170AK	20	ALCAN-3102CAF	87	ALCAN-5056CAC	102	ALCAN-6495AA	73
ALCAN-1170AL	20	ALCAN-3104AR	127	ALCAN-5082CAB	100	ALCAN-7003AC	116
ALCAN-117CAG	45	ALCAN-3104-CAP	128	ALCAN-5083AF	125	ALCAN-7003CAB	116, 138
ALCAN-1188-AD	14	ALCAN-3104DAS	127	ALCAN-5083CAE	101	ALCAN-7004AA	123
ALCAN-1200AJ	88	ALCAN-3105AE	124	ALCAN-5100BS	90	ALCAN-7010CAB	120, 138
ALCAN-125AL	46	ALCAN-3105AH	123	ALCAN-5100CBR	90	ALCAN-7010CAD	120, 138
ALCAN-125AQ	47	ALCAN-3105CAF	123	ALCAN-5154CAB	99	ALCAN-7018AC	117
ALCAN-125AS	46	ALCAN-3105CAI	123	ALCAN-5182-AV	101	ALCAN-7018CAB	117
ALCAN-125AT	59	ALCAN-3203AG	130	ALCAN-5182CBB	101	ALCAN-7019CAB	120
ALCAN-127AB	46	ALCAN-3203CAX	129	ALCAN-5182DAU	101	ALCAN-7021AC	119
ALCAN-135AQ	30	ALCAN-3204AA	127	ALCAN-5251AD	97	ALCAN-7021CAB	119
ALCAN-160DD	36	ALCAN-339.0AD	61	ALCAN-5251AF	97	ALCAN-7022AA	121
ALCAN-160DF	35	ALCAN-339.0CAB	61	ALCAN-5454AC	125	ALCAN-7022CAB	121
ALCAN-160DP	34	ALCAN-350CAU	103	ALCAN-5454CAB	97	ALCAN-7031AA	89
ALCAN-160DQ	35	ALCAN-356.2-AV	30	ALCAN-5457AA	94	ALCAN-7031CAB	89
ALCAN-161CAH	35	ALCAN-356.2-AW	30	ALCAN-5457AB	94	ALCAN-7050CAD	83
ALCAN-16SAN	63	ALCAN-356.2CAR	30	ALCAN-5500CAU	37	ALCAN-7075AF	81
ALCAN-16SAQ	63	ALCAN-356.2DAO	30	ALCAN-5657AA	92	ALCAN-7075CAC	81
ALCAN-16SAR	63	ALCAN-383.1AB	54	ALCAN-5754CAF	98	ALCAN-7075CAE	81
ALCAN-17SBE	58	ALCAN-383.1CAC	53	ALCAN-6006AB	92	ALCAN-7079AA	120
ALCAN-1SWN	13	ALCAN-3916AA	132	ALCAN-6006AC	111	ALCAN-7146AA	119
ALCAN-2007CAB	65	ALCAN-392.0AB	55	ALCAN-6006CAD	92	ALCAN-7146CAD	118
ALCAN-2011AC	68	ALCAN-3SCBW	133	ALCAN-6008AA	110	ALCAN-7146CAE	119
ALCAN-2011CAB	68	ALCAN-4002AD	28	ALCAN-6012AF	68	ALCAN-71SAR	73
ALCAN-2014AD	66	ALCAN-4002CAC	27	ALCAN-6016AA	26	ALCAN-72SAV	137
ALCAN-2014AE	66	ALCAN-4007AA	132	ALCAN-6052CAE	139	ALCAN-72SCAU	137
ALCAN-2014CAC	66	ALCAN-4104AE	114	ALCAN-6061AR	113	ALCAN-74SAF	98, 120
ALCAN-2017AC	65	ALCAN-4104CAD	114	ALCAN-6061CAR	95	ALCAN-74SCAB	119
ALCAN-2017CAB	64	ALCAN-4145AB	53	ALCAN-6061DAO	94	ALCAN-74SCAH	120
ALCAN-2018AB	58	ALCAN-4147AA	34	ALCAN-6063CBB	92	ALCAN-75SCCI	120
ALCAN-2024AF	78	ALCAN-420AA	138	ALCAN-6063DAZ	91	ALCAN-79SAF	80
ALCAN-2024CAE	79	ALCAN-420CAB	137	ALCAN-6066AF	58	ALCAN-8001CAB	155
ALCAN-218AR	76	ALCAN-4343AE	31	ALCAN-6066CAG	58	ALCAN-8001CAC	155
ALCAN-220AA	68	ALCAN-4343AF	31	ALCAN-6070AC	26, 125	ALCAN-8006AG	90
ALCAN-220AB	65	ALCAN-4343CAG	31	ALCAN-6070CAB	26	ALCAN-8007AE	90
ALCAN-220AC	67	ALCAN-443.2AC	28	ALCAN-6082AA	25	ALCAN-8007AG	90
ALCAN-220AD	67	ALCAN-443.2CAB	28	ALCAN-6111AA	63	ALCAN-8007CAF	90
ALCAN-220AE	68	ALCAN-462A1AA	61	ALCAN-6111AE	58	ALCAN-8008AC	89
ALCAN-220AF	69	ALCAN-4643AD	27	ALCAN-6111CAF	58	ALCAN-8015CAB	89
ALCAN-2219AC	69	ALCAN-4643CAC	27	ALCAN-6151-AB	25, 87	ALCAN-8018AB	24
ALCAN-2219CAB	69	ALCAN-5000CAB	69	ALCAN-6166CAB	62	ALCAN-8021AA	89
ALCAN-224AC	44	ALCAN-5001BI	69	ALCAN-6195AE	59	ALCAN-8030AC	88
ALCAN-224CAB	44	ALCAN-5001CBG	69	ALCAN-6201AD	111	ALCAN-8050CAB	138
ALCAN-225AH	65	ALCAN-5005CAB	93	ALCAN-6205AA	44	ALCAN-8079-AF	88
ALCAN-226AD	66	ALCAN-5005CAF	93	ALCAN-6235AB	138	ALCAN-8079CAE	88
ALCAN-236AE	75	ALCAN-5010AE	92	ALCAN-6252AE	47	ALCAN-8081-CAB	63
ALCAN-2618AC	73	ALCAN-5010CAF	91	ALCAN-6252CAC	72	ALCAN-8112AA	24
ALCAN-2618CAB	73	ALCAN-5016AA	122	ALCAN-6261AD	112	ALCAN-8112AB	88
ALCAN-3002AB	20	ALCAN-5017AA	124	ALCAN-6261CAB	111	ALCAN-8280CAC	44
ALCAN-3003AJ	129	ALCAN-5017AB	96	ALCAN-6285CAB	51	ALCAN-A143AW	59
ALCAN-3003AK	88	ALCAN-5017CAC	96	ALCAN-6348AC	116	ALCAN-A143CAX	53
ALCAN-3004AO	131	ALCAN-5017CAD	96	ALCAN-6348CAD	138	ALCAN-A200AA	85

ALCAN-A320AC	114	ALCOA-AN3	149	ALCOA-KB295	43	ALCOA-SQ17+	168
ALCAN-A320CAB	99	ALCOA-AN4	149	ALCOA-KB355	47	ALCOA-SQ18+	168
ALCAN-A333.0AF	51	ALCOA-BE1	146	ALCOA-KB356	31	ALCOA-SQ19+	168
ALCAN-A333.0AI	52	ALCOA-BE2	146	ALCOA-KB360	32	ALCOA-SS1000	9
ALCAN-A333.0CAC	72	ALCOA-BN1	146	ALCOA-KB380	49	ALCOA-SS1050	13
ALCAN-A333.0CAH	72	ALCOA-BN11	146	ALCOA-KB413	36	ALCOA-SS1075	13
ALCAN-A355.0CAA	45	ALCOA-BN12	146	ALCOA-KB443	29	ALCOA-SS1100	13
ALCAN-A380.2-AD	53	ALCOA-BN13	146	ALCOA-KB514	100	ALCOA-SS1188	11
ALCAN-A380.2CAC	52	ALCOA-BN14E	146	ALCOA-KB520	104	ALCOA-SS2011	67
ALCAN-A390.1AA	55	ALCOA-BN2	146	ALCOA-KC355	46	ALCOA-SS2014	43
ALCAN-A413.2AD	35	ALCOA-BN3	146	ALCOA-KC356	30	ALCOA-SS2017	64
ALCAN-A413.2CAE	34	ALCOA-BN4	146	ALCOA-KC360	32	ALCOA-SS2018	58
ALCAN-A5154CAB	99	ALCOA-BN5	146	ALCOA-KC380	74	ALCOA-SS2024	78
ALCAN-A535.0AA	103	ALCOA-CA1	147	ALCOA-KC413	34	ALCOA-SS2025	66
ALCAN-A56SCAF	101	ALCOA-CA11	147	ALCOA-KC443	28	ALCOA-SS206	66
ALCAN-A6005AE	111	ALCOA-CA12	147	ALCOA-KD360	51	ALCOA-SS208	45
ALCAN-A6005CAF	110	ALCOA-CA13	147	ALCOA-KD380	52	ALCOA-SS2117	63
ALCAN-A6181-AA	111	ALCOA-CA14	147	ALCOA-KE380	74	ALCOA-SS2219	68
ALCAN-A8011-AC	88	ALCOA-CA15	147	ALCOA-KF380	50	ALCOA-SS2324	77
ALCAN-B162AG	60	ALCOA-CA2	147	ALCOA-KG380	51	ALCOA-SS238	75
ALCAN-B206AA	66	ALCOA-CA3	147	ALCOA-KH380	52	ALCOA-SS242	77
ALCAN-B319.1CAE	48	ALCOA-CA4	147	ALCOA-LI1	152	ALCOA-SS2618	73
ALCAN-B319.1CAG	48	ALCOA-CD1	148	ALCOA-LI2	152	ALCOA-SS295	65
ALCAN-B320AA	123	ALCOA-CD2	148	ALCOA-LI3	152	ALCOA-SS296	45
ALCAN-B320CAB	98	ALCOA-CD3	148	ALCOA-LI4	152	ALCOA-SS3003	132
ALCAN-B3SAF	126	ALCOA-CD4	148	ALCOA-LI5	152	ALCOA-SS3004	132
ALCAN-B53SAD	125	ALCOA-CO1	147	ALCOA-LI6	152	ALCOA-SS3005	132
ALCAN-B53SAG	124	ALCOA-CO2	147	ALCOA-MN3	153	ALCOA-SS308	47
ALCAN-B53SAH	125	ALCOA-CU1	148	ALCOA-NA1	155	ALCOA-SS3102	20
ALCAN-C57SAB	97	ALCOA-CU2	148	ALCOA-NA11	155	ALCOA-SS3105	91
ALCAN-D3SBC	87	ALCOA-CU3	148	ALCOA-NA12	155	ALCOA-SS319	48
ALCAN-HPFK	12	ALCOA-CU7	148	ALCOA-NA13	155	ALCOA-SS332	59
ALCAN-K57SCAF	95	ALCOA-FE10	149	ALCOA-NA14	155	ALCOA-SS336	60
ALCAN-P57SAA	127	ALCOA-FE11	149	ALCOA-NA15	155	ALCOA-SS354	51
ALCAN-S250AB	75	ALCOA-FE12	149	ALCOA-NA2	155	ALCOA-SS355	47
ALCAN-S250CAC	46	ALCOA-FE4	149	ALCOA-NA3	155	ALCOA-SS356	30
ALCAN-X1100AH	14	ALCOA-FE6	149	ALCOA-NA4	155	ALCOA-SS360	32
ALCAN-X1120AC	20	ALCOA-FE7	149	ALCOA-NA5	155	ALCOA-SS364	32
ALCAN-X3003AA	129	ALCOA-FE8	149	ALCOA-NA4	155	ALCOA-SS380	51
ALCAN-X3003AD	130	ALCOA-FE9	149	ALCOA-NA5	155	ALCOA-SS383	54
ALCAN-X3003CAB	129	ALCOA-KA213	136	ALCOA-P1	156	ALCOA-SS384	74
ALCAN-X3005AB	133	ALCOA-KA222	75	ALCOA-SI1	157	ALCOA-SS390	55
ALCAN-X3005CAC	133	ALCOA-KA242	76	ALCOA-SI2	157	ALCOA-SS4032	60
ALCAN-X3012AA	131	ALCOA-KA295	74	ALCOA-SI3	157	ALCOA-SS413	35
ALCAN-X332.0AC	60	ALCOA-KA355	46	ALCOA-SI4	157	ALCOA-SS443	28
ALCAN-X4002AA	27	ALCOA-KA356	29	ALCOA-SI5	157	ALCOA-SS5005	93
ALCAN-X4002CAB	27	ALCOA-KA358	31	ALCOA-SI6	157	ALCOA-SS5042	99
ALCAN-X4045AC	141	ALCOA-KA360	33	ALCOA-SI7	157	ALCOA-SS5050	95
ALCAN-X4045CAB	33	ALCOA-KA380	74	ALCOA-SI8	157	ALCOA-SS5052	97
ALCAN-X4343AA	141	ALCOA-KA413	33	ALCOA-SI9	157	ALCOA-SS5056	102
ALCAN-X5754AE	98	ALCOA-KA443	28	ALCOA-SQ10+	168	ALCOA-SS5082	100
ALCAN-X5754CAF	98	ALCOA-KA514	99	ALCOA-SQ11+	168	ALCOA-SS5083	126
ALCAN-X75SAA	43	ALCOA-KA518	103	ALCOA-SQ12+	168	ALCOA-SS5086	122
ALCOA-AN1	149	ALCOA-KA520	103	ALCOA-SQ13+	168	ALCOA-SS513	121
ALCOA-AN11	149	ALCOA-KAA332	54	ALCOA-SQ14+	168	ALCOA-SS514	99
ALCOA-AN12	149	ALCOA-KB213	45	ALCOA-SQ15+	168	ALCOA-SS5154	99
ALCOA-AN2	149	ALCOA-KB242	77	ALCOA-SQ16+	168	ALCOA-SS5182	100

Index

ALCOA-SS520	103	ALCOA-ST2-7000	118	ALCOA-WU6000	112	ALPEC-1949-1	154
ALCOA-SS5252	97	ALCOA-ST2-8079	89	ALCOA-WV6000	112	ALPEC-1949-2	154
ALCOA-SS535	102	ALCOA-TI2	157	ALCOA-WW6000	113	ALPEC-1950-1	154
ALCOA-SS5357	95	ALCOA-TI3	157	ALCOA-WX6000	92	ALPEC-1950-2	154
ALCOA-SS5454	126	ALCOA-WA1100	13	ALCOA-WZ6000	92	ALPEC-200	151
ALCOA-SS5456	126	ALCOA-WA1199	11	ALCOA-ZN1	158	ALPEC-20001	165
ALCOA-SS5657	93	ALCOA-WA2011	66	ALCOA-ZN2	158	ALPEC-2001	165
ALCOA-SS6010	25	ALCOA-WA2017	64	ALCOA-ZN4	158	ALPEC-2003	165
ALCOA-SS6022	110	ALCOA-WA2024	77	ALCOA-ZN5	158	ALPEC-2004	165
ALCOA-SS6053	114	ALCOA-WA3003	127	ALCOA-ZN6	158	ALPEC-2006	165
ALCOA-SS6061	113	ALCOA-WA3004	128	ALCOA-ZN7	158	ALPEC-2008	25
ALCOA-SS6063	92	ALCOA-WA5005	87	ALCOA-ZR1	158	ALPEC-201	152
ALCOA-SS6066	59	ALCOA-WA5052	97	ALCOA-ZR11	158	ALPEC-202	151
ALCOA-SS6070	26	ALCOA-WA5056	100	ALCOA-ZR13	158	ALPEC-203	150
ALCOA-SS6111	58	ALCOA-WA5182	101	ALCOA-ZR14	158	ALPEC-212	145
ALCOA-SS6151	25	ALCOA-WA5454	122	ALCOA-ZR15	158	ALPEC-214	145
ALCOA-SS6201	111	ALCOA-WA5456	122	ALCOA-ZR2	158	ALPEC-2150+	165
ALCOA-SS6253	118	ALCOA-WA6000	24	ALCOA-ZR3	158	ALPEC-215-1	145
ALCOA-SS6262	113	ALCOA-WA6061	113	ALPEC-003	87	ALPEC-217-2	145
ALCOA-SS6351	25	ALCOA-WA6063	91	ALPEC-004	153	ALPEC-219	37
ALCOA-SS6951	92	ALCOA-WA7075	82	ALPEC-005-1	154	ALPEC-230	154
ALCOA-SS7001	83	ALCOA-WB1000	16	ALPEC-006-1	154	ALPEC-231	153
ALCOA-SS7005	122	ALCOA-WB1100	13	ALPEC-01002	60	ALPEC-232	154
ALCOA-SS7021	119	ALCOA-WB2011	68	ALPEC-02002	150	ALPEC-233	154
ALCOA-SS7029	119	ALCOA-WB2024	78	ALPEC-1005	27	ALPEC-2330	95
ALCOA-SS7039	120	ALCOA-WB3003	133	ALPEC-1014	29	ALPEC-234	58
ALCOA-SS7046	118	ALCOA-WB3004	132	ALPEC-1015	29	ALPEC-2340	94
ALCOA-SS7050	82	ALCOA-WB5052	98	ALPEC-1043	28	ALPEC-2350	92
ALCOA-SS7072	137	ALCOA-WB5056	102	ALPEC-1045	31	ALPEC-241	67
ALCOA-SS7075	82	ALCOA-WB5182	100	ALPEC-10687	69	ALPEC-245	74
ALCOA-SS7076	124	ALCOA-WB6000	110	ALPEC-10780	72	ALPEC-246	116
ALCOA-SS7079	121	ALCOA-WB7075	82	ALPEC-10838	83	ALPEC-248	119
ALCOA-SS7085	83	ALCOA-WC1000	16	ALPEC-10839	83	ALPEC-254	117
ALCOA-SS711	138	ALCOA-WC5056	102	ALPEC-10840	83	ALPEC-255	137
ALCOA-SS712	116	ALCOA-WC6000	111	ALPEC-10841	83	ALPEC-257	120
ALCOA-SS713	139	ALCOA-WC7075	82	ALPEC-10843	82	ALPEC-258	19
ALCOA-SS7178	83	ALCOA-WD1000	13	ALPEC-10914+	165	ALPEC-266	66
ALCOA-SS850	136	ALCOA-WD6000	113	ALPEC-11524	145	ALPEC-268	64
ALCOA-SS851	136	ALCOA-WD7075	82	ALPEC-11525	145	ALPEC-288	67
ALCOA-SS852	136	ALCOA-WE1000	15	ALPEC-11526	145	ALPEC-289	68
ALCOA-SSA242	77	ALCOA-WE2024	78	ALPEC-1206	45	ALPEC-310	165
ALCOA-SSA2800	90, 149	ALCOA-WE7075	80	ALPEC-1211	128	ALPEC-325	165
ALCOA-SSA357	30	ALCOA-WF2024	78	ALPEC-1225	154	ALPEC-327	165
ALCOA-SSA444	30	ALCOA-WF6000	114	ALPEC-1226	154	ALPEC-356	26
ALCOA-ST1-1050	15	ALCOA-WF7075	82	ALPEC-1227	153	ALPEC-3977/2	63
ALCOA-ST1-300	49	ALCOA-WG6000	114	ALPEC-122C/01	11	ALPEC-4017	151
ALCOA-ST1-3000	132	ALCOA-WG7075	82	ALPEC-1243	124	ALPEC-4018	151
ALCOA-ST1-5000	96	ALCOA-WH6000	93	ALPEC-137	151	ALPEC-4025	76
ALCOA-ST1-6000	112	ALCOA-WH7075	82	ALPEC-138	151	ALPEC-4028	152
ALCOA-ST1-7000	83	ALCOA-WJ6000	93	ALPEC-149	10	ALPEC-4029	152
ALCOA-ST1-8079	89	ALCOA-WK6000	112	ALPEC-151	151	ALPEC-4190	152
ALCOA-ST2-2000	63	ALCOA-WL6000	112	ALPEC-152	152	ALPEC-4200	151
ALCOA-ST2-300	51	ALCOA-WM6000	112	ALPEC-172	151	ALPEC-424A	146
ALCOA-ST2-3000	131	ALCOA-WP6000	26	ALPEC-174	151	ALPEC-425/01	146
ALCOA-ST2-3003	131	ALCOA-WR6000	112	ALPEC-1775	35	ALPEC-425/02	146
ALCOA-ST2-5052	97	ALCOA-WS6000	112	ALPEC-1947	153	ALPEC-4260	152
ALCOA-ST2-6063	21	ALCOA-WT6000	112	ALPEC-1948	154	ALPEC-4270	151

ALPEC-436-1A	145	ALPEC-9206	9	ALPEC-9913	154	ALSUI-275/01	85
ALPEC-436-2A	145	ALPEC-9207	144	ALSUI-112/03	9	ALSUI-276/01	86
ALPEC-437-2A	145	ALPEC-9208	144	ALSUI-113/03	9	ALSUI-311/01	19
ALPEC-437-3A	145	ALPEC-9209	144	ALSUI-114/03	11	ALSUI-312/01	123
ALPEC-509	87	ALPEC-9210	144	ALSUI-116/04	12	ALSUI-313/01	124
ALPEC-566	12	ALPEC-9313	166	ALSUI-117/02	11	ALSUI-321/01	125
ALPEC-574	11	ALPEC-932	154	ALSUI-121/06	14	ALSUI-322/03	129
ALPEC-579	14	ALPEC-9321	166	ALSUI-122/06	15	ALSUI-323/02	128
ALPEC-6009	31	ALPEC-9324	166	ALSUI-123/04	15	ALSUI-325/02	131
ALPEC-6012	24	ALPEC-9325	166	ALSUI-124/04	144	ALSUI-326/02	133
ALPEC-6017	81	ALPEC-9326	166	ALSUI-131/03	14	ALSUI-327/01	133
ALPEC-6018	80	ALPEC-9327	166	ALSUI-132/04	20	ALSUI-331/01	127
ALPEC-6033	95	ALPEC-9331	33	ALSUI-133/02	15	ALSUI-332/02	131
ALPEC-6036	96	ALPEC-9401	166	ALSUI-134/05	12	ALSUI-333/02	127
ALPEC-6038	126	ALPEC-9415	166	ALSUI-134/11	20, 146	ALSUI-334/02	89
ALPEC-6049	156	ALPEC-9506	157	ALSUI-135/02	14	ALSUI-335/02	89
ALPEC-6051	156	ALPEC-9507	157	ALSUI-136/02	20	ALSUI-336/01	126
ALPEC-6052	156	ALPEC-9517	166	ALSUI-141/01	21	ALSUI-350/02	130
ALPEC-60548+	165	ALPEC-9520	166	ALSUI-142/03	24	ALSUI-351/02	159
ALPEC-6075	156	ALPEC-9524	54	ALSUI-143/04	87	ALSUI-352/02	159
ALPEC-6076-1	156	ALPEC-9526	59	ALSUI-144/01	144	ALSUI-353/02	159
ALPEC-6076-2	156	ALPEC-9527	59	ALSUI-145/01	24	ALSUI-391C/01	132
ALPEC-6078	156	ALPEC-9528	59	ALSUI-156/02	89	ALSUI-411/04	32
ALPEC-6079	156	ALPEC-9530	61	ALSUI-157/02	90	ALSUI-413/04	33
ALPEC-6082	154	ALPEC-9531	61	ALSUI-158/03	90	ALSUI-415/03	36
ALPEC-6083	154	ALPEC-9533	48	ALSUI-161/01	90	ALSUI-416/04	36
ALPEC-6084	156	ALPEC-9534	73	ALSUI-211/02	145	ALSUI-417/03	33
ALPEC-6085	156	ALPEC-9536	73	ALSUI-212/02	65	ALSUI-421/01	32
ALPEC-619	81	ALPEC-9539	50	ALSUI-214/02	67	ALSUI-422/03	32
ALPEC-67995	20	ALPEC-954	73	ALSUI-215/01	67	ALSUI-423/03	34
ALPEC-68451	132	ALPEC-960	64	ALSUI-221/02	63	ALSUI-424/03	29
ALPEC-68452	130	ALPEC-9601	166	ALSUI-222/01	63	ALSUI-427/01	32
ALPEC-756	117	ALPEC-9614	166	ALSUI-223/02	76	ALSUI-431/02	50
ALPEC-757	84	ALPEC-9615	32	ALSUI-224/01	66	ALSUI-432/02	52
ALPEC-758	127	ALPEC-9619	37	ALSUI-225/01	43	ALSUI-433/03	60
ALPEC-768	14	ALPEC-9620	34	ALSUI-226/01	67	ALSUI-436/02	60
ALPEC-769	13	ALPEC-9621	34	ALSUI-227/01	77	ALSUI-445C/01	74
ALPEC-8035	153	ALPEC-9624	36	ALSUI-231/01	67	ALSUI-451/04	111
ALPEC-8041	156	ALPEC-9626	34	ALSUI-232/02	65	ALSUI-451/05	111
ALPEC-8045	156	ALPEC-9627	167	ALSUI-233/03	77	ALSUI-452/01	30
ALPEC-8054-1	156	ALPEC-9630	167	ALSUI-236/01	68	ALSUI-453/01	29
ALPEC-8054-2	156	ALPEC-9632	167	ALSUI-241/01	64	ALSUI-455/01	31
ALPEC-813	26	ALPEC-9704	150	ALSUI-242/01	64	ALSUI-456/01	28
ALPEC-849	58	ALPEC-9706	150	ALSUI-243/01	66	ALSUI-461/01	36
ALPEC-850	77	ALPEC-9709	150	ALSUI-244/01	68	ALSUI-462/02	54
ALPEC-905	88	ALPEC-9711	150	ALSUI-245/01	68	ALSUI-465/01	32
ALPEC-907	48	ALPEC-9714	150	ALSUI-246/01	69	ALSUI-471/02	54
ALPEC-9151	81	ALPEC-9716	150	ALSUI-251/01	76	ALSUI-472/02	74
ALPEC-9152	81	ALPEC-9718	150	ALSUI-252/01	76	ALSUI-473/02	135
ALPEC-9154	80	ALPEC-9720	150	ALSUI-252C/01	64	ALSUI-512/02	91
ALPEC-9156	81	ALPEC-975	153	ALSUI-253/01	77	ALSUI-513/02	94
ALPEC-9157	83	ALPEC-977	156	ALSUI-254/01	74	ALSUI-514/02	97
ALPEC-9201	8	ALPEC-9806-1+	167	ALSUI-255/01	76	ALSUI-516/01	99
ALPEC-9202	10	ALPEC-9809+	167	ALSUI-271/01	85	ALSUI-521/02	19
ALPEC-9203	8	ALPEC-9813-2	156	ALSUI-272/01	85	ALSUI-522/03	94
ALPEC-9204	11	ALPEC-9826	154	ALSUI-273/01	85	ALSUI-523/01	96
ALPEC-9205	13	ALPEC-9906	27	ALSUI-274/01	85	ALSUI-524/04	96

Index

ALSUI-525/04	98	ALSUI-716/02	122	BS-2011	163	MBH-54X G13H1 N	135
ALSUI-532/01	100	ALSUI-721/01	116	BS-2017	163	MBH-54X G13H2 M	59
ALSUI-533/03	102	ALSUI-722/01	137	BS-2024	163	MBH-54X G13H3 M	59
ALSUI-534/01	102	ALSUI-723/01	122	BS-6061	163	MBH-54X G13H4 P	54
ALSUI-535/01	102	ALSUI-724/02	120	BS-7075	163	MBH-54X G13H5 L	36
ALSUI-536/01	100	ALSUI-731/01	118	CTIF-ASG-1-1	113	MBH-54X G231H1 D	53
ALSUI-537/02	101	ALSUI-732/01	80	ERM-EB313	122	MBH-54X G231H2 C	54
ALSUI-537C/1	102	ALSUI-733/03	80	ERM-EB316	35	MBH-54X G231H3 C	36
ALSUI-541/02	128	ALSUI-734/02	82	ERM-EB317	83	MBH-54X G25D1 L	27
ALSUI-542/01	126	ALSUI-741/01	21	IARM-104B-G	78	MBH-54X G25D2 K	27
ALSUI-543/01	122	ALSUI-742/01	137	IARM-109C-G	112	MBH-54X G25D3 S	29
ALSUI-544/01	128	ALSUI-743/01	137	IARM-111B-G	84	MBH-54X G25D4 N	31
ALSUI-545/02	126	ALSUI-744/01	137	IARM-220F-G	161	MBH-54X G25D5 L	31
ALSUI-547/01	125	ALSUI-873/01	141	IARM-221A-G	161	MBH-54X G25D6 A	29
ALSUI-551/02	129	ALSUI-AS20/01+	163	IARM-221B-G	161	MBH-54X GS20J1 E	37
ALSUI-551/03	95	ALSUI-AS20/02+	163	IARM-221C-G	161	MBH-54X GS20J2 E	37
ALSUI-552/02	125	ALSUI-AS40/01+	163	IARM-221D-G	161	MBH-54X GS20J3 D	37
ALSUI-553/01	122	ALSUI-AS50/01+	163	IARM-343A-G	81	MBH-54X GS20J4 D	37
ALSUI-554/02	128	ALSUI-AS60/01+	163	MBH-164X ALSUS7	170	MBH-55X A30J1 H	75
ALSUI-555/03	123	ALSUI-AS70/02+	163	MBH-164X ALSUS8	170	MBH-55X A30J3 J	55
ALSUI-556/01	126	ALSUI-RC10/01+	164	MBH-45X ZNAL1 B	141	MBH-55X A30J4 G	54
ALSUI-561/01	114	ALSUI-RC11-05	164	MBH-45X ZNAL11 A	141	MBH-55X A30J5 A	55
ALSUI-564/01	76	ALSUI-RC20/01+	164	MBH-511X G05H1 H	96	MBH-55X G02D10 L	135
ALSUI-565/03	115	ALSUI-RC20/02+	164	MBH-511X G05H3 H	99	MBH-55X G02D5 A	73
ALSUI-571/01	102	ALSUI-RC40/02+	164	MBH-511X G05H4 F	123	MBH-55X G02D6 K	34
ALSUI-572/01	103	ALSUI-RC40/03	164	MBH-511X G05H5F	129	MBH-55X G02D7 N	52
ALSUI-573/01	103	ALSUI-RC41/01	164	MBH-511X G10H4 C	104	MBH-55X G02D8 L	52
ALSUI-574/02	103	ALSUI-RC50/02	164	MBH-511X G10H5 B	104	MBH-55X G02D9 J	50
ALSUI-6063/H1	94	ALSUI-RC60/01+	164	MBH-511X G3000B1 C	125	MBH-55X G02DX A	52
ALSUI-6063/L1	91	ALSUI-RC60/02+	164	MBH-511X G3000B2 B	126	MBH-55X G02DY A	54
ALSUI-611/03	12	BAM-308	81	MBH-511X G3000B3 B	129	MBH-55X G04H10 D	49
ALSUI-612/02	21	BAM-310	94	MBH-511X G3000B4 C	127	MBH-55X G04H2 D	47
ALSUI-613/07	21	BAM-311	78	MBH-511X G5083 A	99	MBH-55X G04H3 N	47
ALSUI-614/05	111	BAM-M315	51	MBH-511X G6012	127	MBH-55X G04H6 E	45
ALSUI-621/01	27	BAS-BCS-RM 195G	11	MBH-511X G6012A	136	MBH-55X G04H7 E	46
ALSUI-622/01	27	BAS-BCS-RM 198F	11	MBH-511X G6023 A	136	MBH-55X G04H8 J	46
ALSUI-623/01	27	BAS-IMI231P2	36	MBH-511X G6063 A	91	MBH-55X G04H9 E	49
ALSUI-624/01	28	BAS-IMI231P4	53	MBH-511X G6065 A	95	MBH-55X G04HX A	48
ALSUI-631/01	122	BAS-IMI24WM4	51	MBH-511X G6082 A	123	MBH-55X G26H1 F	49
ALSUI-632/03	24	BAS-IMI24WM6	124	MBH-511X G6082 B	124	MBH-55X G26H2 F	59
ALSUI-633/01	25	BAS-IMI25WM1	28	MBH-511X G6262 A	136	MBH-55X G26H3 F	73
ALSUI-634/02	25	BAS-IMI25WM4	30	MBH-511X G6262 B	93	MBH-55X G26H4 D	135
ALSUI-636/02	128	BAS-IMI25WM5	32	MBH-514X 9091.1 C	133	MBH-55X G26H5 E	60
ALSUI-637C/01	114	BAS-IMI27WM1	49	MBH-514X 9091.3 D	133	MBH-55X G28J1 Z	61
ALSUI-651/01	113	BAS-IMI27WM2	50	MBH-517X LF1 A	137	MBH-55X G28J2 T	61
ALSUI-652/01	112	BAS-IMI27WM3	49	MBH-518X 429 A	62	MBH-55X G28J3 U	62
ALSUI-661/01	111	BAS-IMI27WM4	48	MBH-518X 905 A	73	MBH-55X G28J4 T	37
ALSUI-661/02	111	BAS-IMI27WM5	47	MBH-51X G00H1 D	88	MBH-55X G28J5 Y	55
ALSUI-662/02	110	BAS-IMI2WM1	135	MBH-51X G00H2 E	21	MBH-55X G28J6 A	37
ALSUI-663/02	113	BAS-IMI2WM2	52	MBH-51X G00H3 D	144	MBH-55X G900J1 E	135
ALSUI-665/01	59	BAS-IMI2WM3	32	MBH-51X G00H4 B	16	MBH-55X G900J2 G	76
ALSUI-666/01	44	BAS-IMI4P1	48	MBH-51X G00H5 B	144	MBH-55X G900J3 F	135
ALSUI-711/02	121	BAS-IMI4P2	47	MBH-54X G06H1 R	50	MBH-55X G900J4 F	26
ALSUI-712/02	121	BAS-IMI4P3	46	MBH-54X G06H2 S	53	MBH-55X G900J5 E	130
ALSUI-713/01	123	BAS-IMI4P4	46	MBH-54X G06H3 P	33	MBH-56X A201.1 A	65
ALSUI-714/02	117	BAS-IMI4P5	74	MBH-54X G06H4 Q	36	MBH-56X G14H2 C	78
ALSUI-715/02	138	BAS-IMI620WM5	36	MBH-54X G06H5 L	37	MBH-56X G14H4 C	58

MBH-56X G2000J1 C.....	131	NCS HS49704B-3.....	134	NCS HS49716B-6.....	39	NCS HS49733-5.....	70
MBH-56X G2000J2 C.....	74	NCS HS49704B-4.....	134	NCS HS49718-1.....	40	NCS HS49734-1.....	107
MBH-56X G2000J3 C.....	78	NCS HS49704B-5.....	134	NCS HS49718-2.....	40	NCS HS49734-2.....	107
MBH-56X G2000J4 C.....	43	NCS HS49704B-6.....	134	NCS HS49718-3.....	40	NCS HS49734-3.....	107
MBH-56X G2000J5 C.....	74	NCS HS49705-1.....	71	NCS HS49718-4.....	40	NCS HS49734-4.....	107
MBH-56X G2007 A.....	76	NCS HS49705-2.....	71	NCS HS49718-5.....	40	NCS HS49734-5.....	107
MBH-56X G2011 A.....	75	NCS HS49705-3.....	71	NCS HS49720-1.....	140	NCS HS49734-6.....	107
MBH-56X G2014 A.....	65	NCS HS49705-4.....	71	NCS HS49720-2.....	140	NCS HS49734-7.....	107
MBH-56X G250J1 C.....	85	NCS HS49705-5.....	71	NCS HS49720-3.....	140	NCS HS49735-1.....	159
MBH-56X G250J2 D.....	85	NCS HS49705-6.....	71	NCS HS49720-4.....	140	NCS HS49735-2.....	159
MBH-56X G250J3 C.....	85	NCS HS49706A-1.....	105	NCS HS49720-5.....	140	NCS HS49735-3.....	159
MBH-56X G250J5 D.....	85	NCS HS49706A-2.....	105	NCS HS49726-1.....	106	NCS HS49735-4.....	159
MBH-56X G250J7 A.....	85	NCS HS49706A-3.....	105	NCS HS49726-2.....	106	NCS HS49735-5.....	159
MBH-57X ALCU25 A.....	72	NCS HS49706A-4.....	105	NCS HS49726-3.....	106	NCS HS49735-6.....	159
MBH-57X ALCU28 A.....	72	NCS HS49706A-5.....	105	NCS HS49726-4.....	106	NCS HS49736-1.....	108
MBH-57X G12H1 C.....	44	NCS HS49706A-6.....	105	NCS HS49726-5.....	106	NCS HS49736-2.....	108
MBH-57X G12H2 B.....	135	NCS HS49707A-1.....	105	NCS HS49727-1.....	159	NCS HS49736-3.....	108
MBH-57X G12H3 C.....	44	NCS HS49707A-2.....	105	NCS HS49727-2.....	159	NCS HS49736-4.....	108
MBH-57X G12H5 G.....	43	NCS HS49707A-3.....	105	NCS HS49727-3.....	159	NCS HS49736-5.....	108
MBH-57X G12H6 A.....	44	NCS HS49707A-4.....	105	NCS HS49727-4.....	159	NCS HS49737-1.....	108
MBH-57X G12H7 A.....	43	NCS HS49707A-5.....	105	NCS HS49727-5.....	159	NCS HS49737-2.....	108
MBH-58X G40H10 C.....	118	NCS HS49707A-6.....	105	NCS HS49727-6.....	159	NCS HS49737-3.....	108
MBH-58X G40H6 B.....	139	NCS HS49708A-1.....	70	NCS HS49727-7.....	22	NCS HS49737-4.....	108
MBH-58X G40H7 B.....	138	NCS HS49708A-2.....	70	NCS HS49728-1.....	22	NCS HS49737-5.....	108
MBH-58X G40H8 B.....	116, 138	NCS HS49708A-3.....	70	NCS HS49728-2.....	22	NCS HS49737-6.....	108
MBH-58X G40H9 C.....	117	NCS HS49708A-4.....	70	NCS HS49728-3.....	22	NCS HS49737-7.....	140
MBH-59X G7020 A.....	80	NCS HS49708A-5.....	70	NCS HS49728-4.....	22	NCS HS49738-1.....	140
MBH-59X G7022 A.....	120	NCS HS49709-1.....	38	NCS HS49728-5.....	22	NCS HS49738-2.....	140
MBH-59X G7050 A.....	82	NCS HS49709-2.....	38	NCS HS49728-6.....	22	NCS HS49738-3.....	140
MBH-59X G7068 A.....	83	NCS HS49709-3.....	38	NCS HS49728-7.....	22	NCS HS49738-4.....	140
MBH-59X G7075 A.....	81	NCS HS49709-4.....	38	NCS HS49729-1.....	106	NCS HS49738-5.....	140
MBH-59X G77J1 F.....	80	NCS HS49709-5.....	38	NCS HS49729-10.....	106	NCS HS49739-1.....	38
MBH-59X G77J2 E.....	80	NCS HS49709-6.....	38	NCS HS49729-11.....	106	NCS HS49739-2.....	38
MBH-59X G77J3 F.....	80	NCS HS49710D-1.....	17	NCS HS49729-12.....	106	NCS HS49739-3.....	38
MBH-59X G77J4 E.....	119	NCS HS49710D-2.....	17	NCS HS49729-2.....	106	NCS HS49739-4.....	38
MBH-59X G77J5 D.....	89	NCS HS49710D-3.....	17	NCS HS49729-3.....	106	NCS HS49739-5.....	38
MBH-59X G77J6 B.....	84	NCS HS49710D-4.....	17	NCS HS49729-4.....	106	NCS HS49740-1.....	39
NCS HS49701C-1.....	38	NCS HS49710D-5.....	17	NCS HS49729-5.....	106	NCS HS49740-2.....	39
NCS HS49701C-2.....	38	NCS HS49710D-6.....	17	NCS HS49729-6.....	106	NCS HS49740-3.....	39
NCS HS49701C-3.....	38	NCS HS49711-1.....	70	NCS HS49729-7.....	106	NCS HS49740-4.....	39
NCS HS49701C-4.....	38	NCS HS49711-2.....	70	NCS HS49729-8.....	106	NCS HS49740-5.....	39
NCS HS49701C-5.....	38	NCS HS49711-3A.....	70	NCS HS49729-9.....	106	NCS HS49741-1.....	41
NCS HS49701C-6.....	38	NCS HS49711-4.....	70	NCS HS49730-1.....	153	NCS HS49741-2.....	41
NCS HS49702A-1.....	139	NCS HS49711-5A.....	70	NCS HS49730-2.....	153	NCS HS49741-3.....	41
NCS HS49702A-2.....	139	NCS HS49711-6A.....	70	NCS HS49730-3.....	153	NCS HS49741-4.....	41
NCS HS49702A-3.....	139	NCS HS49715-1.....	17	NCS HS49730-4.....	153	NCS HS49741-5.....	41
NCS HS49702A-4.....	139	NCS HS49715-2.....	17	NCS HS49730-5.....	153	NCS HS49742-1.....	40
NCS HS49702A-5.....	139	NCS HS49715-3.....	17	NCS HS49732-1.....	107	NCS HS49742-2.....	40
NCS HS49702A-6.....	139	NCS HS49715-4.....	17	NCS HS49732-2.....	107	NCS HS49742-3.....	40
NCS HS49703B-1.....	41	NCS HS49715-5.....	17	NCS HS49732-3.....	107	NCS HS49742-4.....	40
NCS HS49703B-2.....	41	NCS HS49715-6.....	17	NCS HS49732-4.....	107	NCS HS49742-5.....	40
NCS HS49703B-3.....	41	NCS HS49715-7.....	17	NCS HS49732-5.....	107	NCS HS49742-6.....	40
NCS HS49703B-4.....	41	NCS HS49716B-1.....	39	NCS HS49732-6.....	107	NCS HS49743-1.....	140
NCS HS49703B-5.....	41	NCS HS49716B-2.....	39	NCS HS49732-7.....	107	NCS HS49743-2.....	140
NCS HS49703B-6.....	41	NCS HS49716B-3.....	39	NCS HS49733-1.....	70	NCS HS49743-3.....	140
NCS HS49704B-1.....	134	NCS HS49716B-4.....	39	NCS HS49733-2.....	70	NCS HS49743-4.....	140
NCS HS49704B-2.....	134	NCS HS49716B-5.....	39	NCS HS49733-3.....	70	NCS HS49743-5.....	140
				NCS HS49733-4.....	70	NCS HS49743-6.....	140

Index

NCS HS49744-1.....	39	NCS HS53703-1.....	18	PB AM11.....	104	SEI-NKADC12-NDC1.....	54
NCS HS49744-2.....	39	NCS HS53703-2.....	18	PB AM12.....	104	SEI-NKHP-NDC2.....	9
NCS HS49744-3.....	39	NCS HS53703-3.....	18	PB AM13.....	104	SEI-NKRST600.....	170
NCS HS49744-4.....	39	NCS HS53703-4.....	18	PB AM14.....	104	SUS-200.....	162
NCS HS49744-5.....	39	NCS HS53703-5.....	18	PB AM2.....	104	SUS-3.1645.....	161
NCS HS49745-1.....	40	NCS HS53704-1.....	109	PB AM3.....	104	SUS-3.2315.....	161
NCS HS49745-2.....	40	NCS HS53704-2.....	109	PB AM5.....	104	SUS-3.3525.....	161
NCS HS49745-3.....	40	NCS HS53704-3.....	109	PB AM6.....	104	SUS-3.4345.....	161
NCS HS49745-4.....	40	NCS HS53704-4.....	109	PB AM7.....	104	SUS-CAL0.....	162
NCS HS49745-5.....	40	NCS HS53704-5.....	109	PB AM8.....	104	SUS-CAL2.....	162
NCS HS49745-6.....	40	NCS HS57701-1.....	57	PB AM9.....	104	SUS-CAL3.....	162
NCS HS50704-1.....	71	NCS HS57701-2.....	57	PB AZ1.....	84	SUS-CAL4.....	162
NCS HS50704-2.....	71	NCS HS57701-3.....	57	PB AZ2.....	84	SUS-CAL5.....	162
NCS HS50704-3.....	71	NCS HS57701-4.....	57	PB AZ3.....	84	SUS-RAL10+.....	162
NCS HS50704-4.....	71	NCS HS57701-5.....	57	PB AZ4.....	84	SUS-RAL16+.....	162
NCS HS50704-5.....	71	NCS HS91701-1.....	18	PB AZ5.....	84	SUS-RAL18+.....	162
NCS HS50705-1.....	56	NCS HS91701-2.....	18	PB AZ6.....	84	SUS-RAL19+.....	162
NCS HS50705-2.....	56	NCS HS91701-3.....	18	SEI-NK14S-NDC2.....	43	SUS-RAL20+.....	162
NCS HS50705-3.....	56	NCS HS91701-4.....	18	SEI-NK17S-NDC2.....	64	SUS-RALCE/3.....	161
NCS HS50705-4.....	56	NCS HS91701-5.....	18	SEI-NK1S-NDC3.....	14	SUS-RALCE+.....	161
NCS HS50705-5.....	56	NCS HS91701-6.....	18	SEI-NK1S-NDC4.....	15	VASKUT-AL4N+.....	170
NCS HS50707-1.....	42	NCS HS91702-1.....	22	SEI-NK1S-NDC6.....	14	VASKUT-AMS1+.....	170
NCS HS50707-2.....	42	NCS HS91702-2.....	22	SEI-NK1S-NDC7.....	144	VASKUT-ASC1+.....	170
NCS HS50707-3.....	42	NCS HS91702-3.....	22	SEI-NK2011-NDC1.....	67	VAW-1000-1.....	9
NCS HS50707-4.....	42	NCS HS91702-4.....	22	SEI-NK24S-NDC2.....	77	VAW-1001.....	9
NCS HS50707-5.....	42	NCS HS91702-5.....	22	SEI-NK2S-NDC10.....	144	VAW-1002-1.....	10
NCS HS50708-1.....	56	NCS HS91702-6.....	22	SEI-NK2S-NDC2.....	21	VAW-1003.....	9
NCS HS50708-2.....	56	NIST-1240c.....	131	SEI-NK305S-NDC1.....	124	VAW-1004.....	10
NCS HS50708-3.....	56	NIST-1241c.....	100	SEI-NK3S-NDC2.....	131	VAW-1005.....	9
NCS HS50708-4.....	56	NIST-1255b.....	30	SEI-NK4S-NDC2.....	131	VAW-1062.....	8
NCS HS50708-5.....	56	NIST-1256b.....	52	SEI-NK5183-NDC.....	125	VAW-1066.....	8
NCS HS50709A-1.....	42	NIST-1258-I.....	117	SEI-NK51S-NDC2.....	25	VAW-1067.....	8
NCS HS50709A-2.....	42	NIST-1259.....	80	SEI-NK52S-NDC3.....	97	VAW-1071.....	8
NCS HS50709A-3.....	42	NIST-1710.....	148	SEI-NK54S-NDC2.....	98	VAW-1101.....	93
NCS HS50709A-4.....	42	NIST-1711.....	148	SEI-NK56S-NDC2.....	101	VAW-1102.....	95
NCS HS50709A-5.....	42	NIST-1712.....	148	SEI-NK6061-NDC3.....	113	VAW-1104.....	19
NCS HS50710-1.....	71	NIST-1713.....	148	SEI-NK6070-NDC1.....	141	VAW-1105.....	93
NCS HS50710-2.....	71	NIST-1714.....	148	SEI-NK61S-NDC2.....	113	VAW-1106.....	95
NCS HS50710-3.....	71	NIST-1715.....	148	SEI-NK63SNDC3.....	92	VAW-1107.....	96
NCS HS50710-4.....	71	OES-RA10.....	167	SEI-NK63SNDC4.....	21	VAW-1108.....	19
NCS HS50710-5.....	71	OES-RA13.....	167	SEI-NK63SNDC5.....	110	VAW-1109.....	19
NCS HS50710-6.....	71	OES-RA20.....	167	SEI-NK63SNDC7.....	20	VAW-1110.....	93
NCS HS50711-1.....	142	PB AC1.....	79	SEI-NK63SNDC9.....	110	VAW-1111.....	94
NCS HS50711-2.....	142	PB AC12.....	79	SEI-NK7003-NDC.....	116	VAW-1112.....	95
NCS HS50711-3.....	142	PB AC13.....	79	SEI-NK7003-NDC2.....	116	VAW-1113.....	96
NCS HS50711-4.....	142	PB AC14.....	79	SEI-NK7075-NDC2.....	81	VAW-1114.....	94
NCS HS50711-5.....	142	PB AC2.....	79	SEI-NK7N01-NDC.....	124	VAW-1200-1.....	10
NCS HS50712-1.....	109	PB AC21.....	79	SEI-NK8000-NDC1.....	25	VAW-1201.....	19
NCS HS50712-2.....	109	PB AC22.....	79	SEI-NKAC1A-NDC1.....	65	VAW-1202-1.....	10
NCS HS50712-3.....	109	PB AC23.....	79	SEI-NKAC2A-NDC1.....	45	VAW-1203.....	10
NCS HS50712-4.....	109	PB AC24.....	79	SEI-NKAC2C-NDC1.....	49	VAW-1204.....	19
NCS HS50712-5.....	109	PB AC3.....	79	SEI-NKAC4A-NDC4.....	33	VAW-1205.....	19
NCS HS50713-1.....	57	PB AC5.....	79	SEI-NKAC4C-NDC12.....	29	VAW-1206.....	19
NCS HS50713-2.....	57	PB AC6.....	79	SEI-NKAC4D-NDC2.....	48	VAW-1209-1.....	10
NCS HS50713-3.....	57	PB ALLI2.....	153	SEI-NKAC7A-NDC1.....	123	VAW-1300.....	91
NCS HS50713-4.....	57	PB ALLI3.....	153	SEI-NKAC7B-NDC2.....	103	VAW-1301.....	19
NCS HS50713-5.....	57	PB AM1.....	104	SEI-NKAC8A-NDC4.....	61	VAW-1302.....	91

VAW-1303	93	VAW-2407	126	VAW-3054-4	50	VAW-4003-1	77
VAW-1304	94	VAW-2408	129	VAW-3055-4	52	VAW-4004-1	64
VAW-1305	96	VAW-2409	130	VAW-3056-2	51	VAW-4005	78
VAW-1306	19	VAW-2410-1	128	VAW-3103-2	33	VAW-4006	78
VAW-1400	19	VAW-2411-2	129	VAW-3104-2	29	VAW-4201	66
VAW-1401	10	VAW-2412	130	VAW-3106-1	28	VAW-4203	76
VAW-1402-2	12	VAW-2413	127	VAW-3107-1	29	VAW-4211-1	136
VAW-1403	10	VAW-2414	130	VAW-3108-2	34	VAW-4212-1	136
VAW-1406-1	13	VAW-2415	126	VAW-3109-1	31	VAW-4213-1	136
VAW-1407	21	VAW-2416-2	43	VAW-3110-1	33	VAW-4501	67
VAW-1408	24	VAW-2417-1	130	VAW-3164-4	35	VAW-4502	65
VAW-1409-1	24	VAW-2500-1	102	VAW-3165-1	35	VAW-4503-2	65
VAW-1410-3	12	VAW-2501-1	100	VAW-3166-2	34	VAW-4504	64
VAW-1411-1	12	VAW-2502-1	101	VAW-3167-1	33	VAW-5001-1	117
VAW-1412-1	144	VAW-2503-1	100	VAW-3200-2	60	VAW-5002-1	118
VAW-1413-1	15	VAW-2504-2	101	VAW-3201-2	61	VAW-5003-1	117
VAW-1501-1	88	VAW-2505-2	124	VAW-3202-3	61	VAW-5004-1	116
VAW-1502-1	88	VAW-2506-2	102	VAW-3203-2	60	VAW-5005	117
VAW-1511-1	88	VAW-2507-2	100	VAW-3204-2	60	VAW-5006	119
VAW-1512-1	89	VAW-2509-2	101	VAW-3205-2	61	VAW-5008	120
VAW-2000-1	91	VAW-2510-2	115	VAW-3208-2	60	VAW-5009	117
VAW-2001	24	VAW-2511-1	114	VAW-3300-2	53	VAW-5010-1	116
VAW-2002-1	110	VAW-2550	114	VAW-3301-2	53	VAW-5050	119
VAW-2003-1	110	VAW-2552	115	VAW-3310-1	54	VAW-5051	119
VAW-2004	110	VAW-2600	103	VAW-3330	45	VAW-5052	118
VAW-2009	95	VAW-2601	103	VAW-3332	45	VAW-5053	118
VAW-2100-1	24	VAW-2602	103	VAW-3333-2	46	VAW-5054	118
VAW-2101-1	12	VAW-2650	115	VAW-3334-2	47	VAW-5055	117
VAW-2102-3	92	VAW-2652-2	115, 123	VAW-3335-2	46	VAW-5060-1	137
VAW-2103-1	110	VAW-2701-2	133	VAW-3336-3	47	VAW-5106-1	118
VAW-2100-1	113	VAW-2702	133	VAW-3337-3	48	VAW-E0+	169
VAW-2100-2	114	VAW-3001-3	28	VAW-3360	69	VAW-E1+	169
VAW-2101	26	VAW-3002-3	29	VAW-3361	68	VAW-E10+	169
VAW-2102	129	VAW-3003-3	31	VAW-3362-2	67	VAW-E13+	169
VAW-2103-1	26	VAW-3004-3	34	VAW-3380-2	61	VAW-E2+	169
VAW-2105	127	VAW-3005-3	36	VAW-3381-3	62	VAW-E3+	169
VAW-2106	133	VAW-3006-2	35	VAW-3382-2	55	VAW-E4+	169
VAW-2107	132	VAW-3007-2	35	VAW-3383-2	62	VAW-E5+	169
VAW-2108-1	145	VAW-3012-4	49	VAW-3386-1	62	VAW-E8+	169
VAW-2109-1	125	VAW-3013-3	50	VAW-3400-2	141	VAW-R02	8
VAW-2110-1	25	VAW-3016-2	53	VAW-3401-2	141	VAW-R09	8
VAW-2201	135	VAW-3031-2	44	VAW-3402-2	141	VAW-R12	8
VAW-2204	135	VAW-3032-3	45	VAW-3403-2	141	VAW-R16	8
VAW-2206	25	VAW-3033-2	48	VAW-3410-2	141	VAW-R17	8
VAW-2207	124	VAW-3034-4	51	VAW-3412-2	50		
VAW-2210-1	136	VAW-3035-3	53	VAW-3413-2	51		
VAW-2300-1	96	VAW-3041-2	44	VAW-3414-2	52		
VAW-2301-1	98	VAW-3042-4	63	VAW-3415	50		
VAW-2302-1	98	VAW-3043-4	136	VAW-3430-2	43		
VAW-2302-2	98	VAW-3044-2	49	VAW-3431-2	44		
VAW-2302-3	97	VAW-3045-2	135	VAW-3432-2	44		
VAW-2400	128	VAW-3046-5	49	VAW-3433-2	43		
VAW-2401	128	VAW-3047-4	50	VAW-3434-2	45		
VAW-2403-1	128	VAW-3048-8	50	VAW-3500	133		
VAW-2404	129	VAW-3050-1	47	VAW-3501	132		
VAW-2405	87	VAW-3051-1	49	VAW-4001-1	77		
VAW-2406	131	VAW-3053-4	53	VAW-4002-1	78		

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