

Reference Material Catalog



Reference Material catalog - Suisse Technology Partners Ltd.

Alloy Class	CRMs from page	SUS from page
1xxx Pure Aluminium	1	27
2xxx AlCu	5	27
3xxx AlMn	8	27
4xxx AlSi	10	27
5xxx AlMg	17	28
6xxx AlMgSi, AlSiMg	21	29
7xxx AlZn	23	29
other CRMs	26	

Why you should choose Aluminium Reference Materials from Suisse TP

because quality matters!

well-established

As Europe's longest established and one of the world's first producers of aluminium reference materials, Suisse TP (former Alusuisse) can look back on a long tradition since 1964 of spectrochemical analysis of Aluminum and it's alloys.

competent

The NIST traceable analyses are based on latest or internationally accepted analytical procedures. All analyses are made in our ISO/IEC 17025 accredited, STS 0023 accredited laboratory.

high quality and homogeneity

High quality CRMs with very high homogeneity for highest reliability.

" Our instruments are only as good as the material we measure on them, so we recommend the samples from Suisse TP (AluSuisse) because we can rely on the accuracy of the values and the homogeneity of the samples."

Manfred Leenders, BDM for Metal Analyzers
SPECTRO Analytical Instruments GmbH



Reference Material catalog - Suisse Technology Partners Ltd.

1xxx Pure Aluminium

	112/03	113/03	114/03	11524	11525	116/01	116/02	116/04	117/03	117/04	122/08	122C/01
Si mass content [%]	0.00007	0.0012	0.0034	(0.05)	(0.05)	0.0095	0.0110	0.0111	0.0152	0.0152	0.0502	0.0585
Fe mass content [%]	0.00006	0.0054	0.0050	(0.1)	(0.1)	0.0080	0.0220	0.0105	0.0141	0.0141	0.0510	0.0981
Cu mass content [%]	<0.00004	0.00023	0.0018			0.0054	0.0058	0.0070	0.0023	0.0023	0.0199	0.0148
Mn mass content [%]	<0.00001	0.00010	0.0019			0.0050	0.0045	0.0051	0.0010	0.0010	0.0198	0.0104
Mg mass content [%]	0.00005	0.0008	0.0013			0.0080	0.0070	0.0050	0.0019	0.0019	0.0179	0.0042
Cr mass content [%]	<0.00001	<0.00001	0.0006			0.0045	0.0050	0.0051	0.0013	0.0013	0.0197	0.0027
Ni mass content [%]	<0.00001	0.00010	0.0009			0.0050	0.0048	0.0049	0.0013	0.0013	0.0200	0.0024
Zn mass content [%]	<0.00001	0.00025	<0.0002			0.0055	0.0065	0.0052	0.0011	0.0011	0.0202	0.0153
Ti mass content [%]	<0.00001	0.00011	(0.0004)			0.0037	0.0015	0.0020	0.0006	0.0006	0.0192	0.0038
Ag mass content [%]	<0.00001		<0.00005					0.0020	0.0005	0.0005	0.0188	
As mass content [%]	0.000010		<0.0001					0.0058	(<0.00005)	(<0.00005)	0.0057	
B mass content [%]	0.000010	0.0090	0.017	0.0004	0.0012			0.0004	0.0013	0.0013	<0.0002	
Ba mass content [%]	<0.00001		<0.0001			0.0009	<0.00005	<0.0001	0.00045	0.00045	0.0010	
Be mass content [%]	<0.00001	<0.00001	<0.00005			<0.0001	<0.0001	0.00028	0.00049	0.00049	0.00048	
Bi mass content [%]	<0.00001	0.00053	0.0011					0.0021	0.0026	0.0026	0.0094	
Ca mass content [%]	<0.00001	<0.0001	(0.0001)			0.0003 - 0.0004		(0.00007)	(0.0006)	(0.0006)	0.0007	
Cd mass content [%]	<0.00001	<0.00001	0.0031			<0.0002	<0.0002	0.0011	0.0003	0.0003	0.0049	0.00020
Ce mass content [%]	0.00005		<0.0001					0.0011	0.0003	0.0003	0.0141	
Co mass content [%]	<0.00001	0.00050	0.00104					0.0020	0.0014	0.0014	0.0149	0.0008
Ga mass content [%]	<0.00001	0.00007	0.0011			0.0001	0.0001	0.0048	0.0014	0.0014	0.0192	0.0009
Hg mass content [%]	<0.00001		<0.0001					0.0004	0.0002	0.0002	0.0076	
In mass content [%]	<0.00001		<0.0001					0.0049	0.0015	0.0015	0.0112	
La mass content [%]	0.000010		<0.0001					0.0033	0.0019	0.0019	0.0205	
Li mass content [%]	<0.00001	<0.00001	0.0002				<0.00005	0.00011	(0.0007)	0.00052	0.00083	
Mo mass content [%]	<0.00001		<0.0001					0.0076	0.0031	0.0031	0.0096	
Na mass content [%]	<0.00001	<0.00005	<0.0001			0.0011 - 0.0015	0.0002	<0.0001	(0.0006)	0.00041	0.0021	
P mass content [%]	<0.00012	0.0013	0.0004					0.0019	0.0006	0.0006	0.0041	
Pb mass content [%]	<0.00001	0.0007	0.0017			0.0012	0.0005	0.0029	0.0015	0.0015	0.0100	0.0146
Sb mass content [%]	0.00003	0.00065	0.0021			0.00005	0.00008	0.0035	0.0003	0.0003	0.0100	0.0032
Sc mass content [%]	<0.00001										0.0046	
Se mass content [%]	<0.00001		0.00011						(<0.0002)	(<0.0002)		
Sn mass content [%]	<0.00001	0.0006	0.0012			0.0020	0.0020	0.0031	0.0018	0.0018	0.0101	0.0147
Sr mass content [%]	<0.00001		<0.0001					0.00085	(0.0011)	0.00093	0.0011	
Ta mass content [%]			<0.0001								0.0008	
Tl mass content [%]	<0.00001		<0.0001								0.0130	
V mass content [%]	<0.00001	0.00039	0.00008			0.0041	0.0029	0.0026	0.0009	0.0009	0.0203	0.0018
W mass content [%]	<0.00001							0.0015	0.0008	0.0008	0.0102	
Zr mass content [%]	<0.00001	0.0003				<0.0002	<0.0002	0.0019	0.0015	0.0015	0.0153	0.00010

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

1xxx Pure Aluminium

	123/04	124/04	131/03	134/05	135/02	136/03	141/01	142/03	143/05	144/01	145/02
Si mass content [%]	0.073	0.105	0.112	0.152	0.052	0.294	0.41	0.471	0.155	0.65	0.78
Fe mass content [%]	0.107	0.145	0.123	0.286	0.29	0.365	0.40	0.481	0.60	0.73	0.88
Cu mass content [%]	0.0321	0.0533	0.0210	0.0038	0.020	0.056	0.020	0.049	0.029	0.20	0.145
Mn mass content [%]	0.0301	0.0540	0.0123	0.0032	0.020	0.058	0.022	0.055	0.0069	0.100	0.049
Mg mass content [%]	0.0267	0.0558	0.0211	0.0025	0.020	0.038	0.0110	0.047	0.0051	0.160	0.060
Cr mass content [%]	0.0321	0.0509	0.0096	0.0002	0.015	0.037	0.0040	0.050	0.020	0.034	0.010
Ni mass content [%]	0.0309	0.0592	0.0025	0.0011	0.016	0.032	0.0060	0.048	0.0023	0.022	0.0095
Zn mass content [%]	0.0301	0.0515	0.0118	0.0012	0.0080	0.034	0.0140	0.078	0.0098	0.055	0.039
Ti mass content [%]	0.0312	0.0505	0.0045	<0.0001	0.023	0.030	<0.001	0.030	0.0051	0.053	0.010
Ag mass content [%]	0.0048	0.0190								0.010	
As mass content [%]											
B mass content [%]		0.0002	(0.0003)	0.0055		0.0002	0.0150	(0.0008)			
Ba mass content [%]				0.0025 - 0.0038							
Be mass content [%]	0.0008	0.0019	0.00024	0.00050		0.00019		0.0009	0.00042		
Bi mass content [%]	0.0206	0.0151	0.0012		0.0020	0.0002					
Ca mass content [%]		0.0003	0.0032 - 0.0037	0.0002 - 0.0005		(0.0002)		0.0008			
Cd mass content [%]	0.0096	0.0210	0.0009	0.0010		<0.0001		0.0009			
Ce mass content [%]		0.0451									
Co mass content [%]	0.0159	0.0201		0.0010	0.0010	0.0005	0.0090	0.0019			
Ga mass content [%]	0.0207	0.0365	0.0054	0.0010	0.013	0.030			0.014		
Hg mass content [%]											
In mass content [%]					0.0020						
La mass content [%]		0.0307									
Li mass content [%]		0.00060 - 0.000	0.00007 - 0.000	0.00006 - 0.000		0.00003		0.00008 - 0.000	0.00025	0.0012 - 0.0025	
Mo mass content [%]											
Na mass content [%]	0.0002 - 0.0005	0.0014 - 0.0020	0.0004 - 0.0008	0.0020 - 0.0064		0.0009		0.0007 - 0.0011		0.0037 - 0.0065	
P mass content [%]			0.0010			0.0009					
Pb mass content [%]	0.0109	0.0232	0.0058	0.0011	0.0023	0.0010	0.010	0.0047	0.0026	0.0060	0.0025
Sb mass content [%]		0.0252	0.0003			0.0016	0.010	0.0061			
Sc mass content [%]											
Se mass content [%]											
Sn mass content [%]	0.0158	0.0208	0.0024	0.0013	0.0052	0.0003	0.010	0.0047	0.0030	0.0050	0.0024
Sr mass content [%]				0.0004 - 0.0009		<0.0001					
Ta mass content [%]											
Tl mass content [%]											
V mass content [%]	0.0311	0.0449	0.0068	<0.0001	0.0062	0.025	0.0010	0.0077	0.0027	0.036	0.024
W mass content [%]											
Zr mass content [%]	0.0311	0.0054	0.0010	0.0002	0.0050	0.0098		0.0100	0.0049	0.007	0.0032

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

1xxx Pure Aluminium

	156/02	158/03	161/01	172	174	214	217/2	4190	4200	4260	4270	436/1
Si mass content [%]	0.31	0.053	0.12	(0.12)	(0.12)	(0.1)	(0.1)	(1.2)	(1.2)	(1.11)	(1.11)	(0.11)
Fe mass content [%]	1.28	1.98	2.66	(0.26)	(0.26)	(0.2)	(0.2)	(0.79)	(1.07)	(0.38)	(0.59)	(0.21)
Cu mass content [%]	0.052	0.0120	0.023									
Mn mass content [%]	0.056	0.021	0.035					(0.031)	(0.014)	(0.076)	(0.056)	
Mg mass content [%]	0.063	0.020	0.024			(0.8)	(0.8)					
Cr mass content [%]	0.031	0.0070	0.012					(0.17)	(0.18)	(0.16)	(0.17)	
Ni mass content [%]	0.022	0.0085	0.013									
Zn mass content [%]	0.035	0.0075	0.012									
Ti mass content [%]	0.042	0.0130	0.023									
Ag mass content [%]												
As mass content [%]				0.000007	0.0068			0.0084	0.0359	0.00006	0.0024	
B mass content [%]		0.0010		0.00021	0.0033	0.00072	0.00527					0.00011
Ba mass content [%]												
Be mass content [%]				0.00002	0.00043							
Bi mass content [%]				0.00010	0.00135							
Ca mass content [%]			(0.001)	(0.00022)	(0.00052)	0.00060	0.00224					<0.0001
Cd mass content [%]								0.00222	0.0115	<0.0001	0.00060	
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]		0.010										
Hg mass content [%]				0.00010	0.00165			0.0024	0.00002	0.0138	0.00057	
In mass content [%]												
La mass content [%]												
Li mass content [%]				(0.000006)	(0.00039)							0.0112
Mo mass content [%]		0.009		0.00015	0.0027							
Na mass content [%]				<0.00002	(0.00021)							0.0095
P mass content [%]			0.0016									
Pb mass content [%]	0.0007	0.007	0.0110					0.00176	0.0107	<0.00025	0.00063	
Sb mass content [%]			0.0053	0.00021	0.0043							
Sc mass content [%]												
Se mass content [%]				0.00010	0.0011							
Sn mass content [%]		0.0050	0.010									
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0073	0.013	0.022									
W mass content [%]												
Zr mass content [%]	0.0100	0.0055	0.010	0.00026	(0.005)							

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

1xxx Pure Aluminium

	437/2	437/3	509	574	6012	6084	67995	768	769	9201	9204	9205
Si mass content [%]	(0.11)	(0.11)	0.3210	0.0152	0.5750	(0.04)	0.1700	0.0994	0.0999	<0.0005	0.0097	0.0285
Fe mass content [%]	(0.22)	(0.22)	0.5970	0.0175	0.7850	(0.04)	0.3700	0.1935	0.2009	0.00005	0.00889	0.0298
Cu mass content [%]			0.0705	0.0094	0.1420		0.0400	0.0006	0.0004	0.000035	0.00984	0.0312
Mn mass content [%]			0.0750	0.0052	0.1290		0.0390	0.0203	0.0204	0.000004	0.00154	0.00495
Mg mass content [%]			0.0566	0.0325	0.1210		0.0240	0.0093	0.0093	<0.00005	0.00191	0.0048
Cr mass content [%]			0.0631	0.00475	0.0110		0.0215	0.0056	0.0056	0.000008	0.00210	0.00502
Ni mass content [%]			0.0363	0.00556	0.0097		0.0190	0.0051	0.0051			
Zn mass content [%]			0.1372	0.0138	0.1970		0.0740	0.0003	0.0002	0.000033	0.00434	0.00993
Ti mass content [%]			0.0404	0.00570	0.0485		0.0170	0.0104	0.0105	0.00002	0.00341	0.00813
Ag mass content [%]												
As mass content [%]												
B mass content [%]	0.0028	0.0026								0.00005	0.00014	0.00007
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]												
Ca mass content [%]	0.0016	0.0016										
Cd mass content [%]								0.0004	0.0004			
Ce mass content [%]												
Co mass content [%]				0.0054			(0.0002)	0.0041	0.0034			
Ga mass content [%]			0.0170	0.00585	0.0226		0.0103	<0.0004	<0.0004			
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]	0.00109	0.00103										
Mo mass content [%]												
Na mass content [%]	0.0015	0.0015										
P mass content [%]						0.00002						
Pb mass content [%]			0.0488	0.0051	<0.0002		(0.02)	0.0040	0.0040			
Sb mass content [%]			0.0400		0.0022		0.0190	0.0093	0.0095			
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]			0.0390	0.00550	0.0003		(0.02)	0.0040	0.0040			
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]								0.0138	0.0139	<0.00002	0.00127	0.00222
W mass content [%]												
Zr mass content [%]								0.0061	0.0040			

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	1xxx Pure Aluminium					2xxx AlCu						
	9206	9207	9208	9209	9210	1211	211/02	212/02	215/01	221/02	222/01	223/02
Si mass content [%]						1.160	0.110	0.064	0.105	0.15	0.40	0.68
Fe mass content [%]						0.1180	0.066	0.088	0.051	0.21	0.31	0.502
Cu mass content [%]						3.52	4.01	4.40	4.98	1.37	2.51	3.58
Mn mass content [%]						1.004	0.461	0.153	0.0195	0.20	0.42	0.796
Mg mass content [%]						0.820	0.417	0.169	0.049	0.41	0.64	1.09
Cr mass content [%]						0.0625	0.0035	0.0055	0.0106	0.030	0.020	0.0599
Ni mass content [%]	0.00006	0.00024	0.00105	0.00187	0.00089	0.0348	0.0057	0.0084	0.0108	0.030	0.025	0.0522
Zn mass content [%]						0.0100	0.0050	0.0095	0.052	0.0095	0.030	0.0993
Ti mass content [%]						0.1750	0.236	0.265	0.198	0.058	0.024	0.0626
Ag mass content [%]	<0.000005	0.00058	0.00128	0.000024	0.00497		0.305	0.448	0.047			
As mass content [%]												
B mass content [%]							(0.0003)		<0.0003			<0.0002
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]	<0.000005	0.00035	<0.000005	<0.000005	0.00133		0.0019		0.0045			
Ca mass content [%]							0.0006					0.00053
Cd mass content [%]								0.0009	0.0019			0.0011
Ce mass content [%]	<0.000002	0.000009	0.00063	0.00171	0.000017							
Co mass content [%]	<0.000006	0.00053	0.000008	<0.000006	0.00187		0.0057					
Ga mass content [%]	0.000006	0.00032	0.00436	0.01063	0.00133							
Hg mass content [%]												
In mass content [%]	<0.000001	0.00012	0.00045	0.000006	0.00194							
La mass content [%]	<0.000001	<0.000005	0.00081	0.00192	<0.000005							
Li mass content [%]							0.00002		0.00030			0.00019
Mo mass content [%]												
Na mass content [%]							(0.0006)		0.0003			0.0008
P mass content [%]							0.0020					
Pb mass content [%]	0.00002	0.00039	0.0041	0.00002	0.00096	0.0007		0.0027	0.0055			0.0055
Sb mass content [%]							0.0082		0.0045			
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	0.000010	0.00055	0.000053	0.000021	0.00186	0.0815	0.0010	0.0020	0.0065			0.0040
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]							0.0112	0.0079	0.0104			0.0133
W mass content [%]												
Zr mass content [%]	<0.00003	0.000030	0.00193	0.00406	<0.00003	0.0013		0.0025	0.0070			0.0046

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

2xxx AlCu

	224/01	225/01	226/01	231/01	232/02	233/03	236/01	241/01	242/01	243/01	244/01	245
Si mass content [%]	0.76	1.10	0.57	0.295	0.395	0.30	0.206	0.075	0.10	0.17	0.25	0.010
Fe mass content [%]	0.25	0.58	0.20	0.300	0.501	0.41	0.203	0.100	0.13	0.22	0.30	1.28
Cu mass content [%]	4.60	4.78	5.31	5.05	4.28	4.32	5.79	3.38	4.13	4.80	5.78	3.00
Mn mass content [%]	0.90	1.00	0.69	0.100	0.81	0.51	0.052	0.10	0.031	0.051	0.190	0.0015
Mg mass content [%]	0.57	0.82	0.81	0.115	0.90	1.19	0.051	0.10	0.25	0.39	0.45	1.12
Cr mass content [%]	0.080	0.100	0.120	0.032	0.080	0.052	0.022	0.010	0.032	0.050	0.050	0.0007
Ni mass content [%]	0.011	0.041	0.030	0.031	0.020	0.013	0.022		0.011	0.032	0.100	0.600
Zn mass content [%]	0.055	0.150	0.026	0.150	0.102	0.21	0.054	0.012	0.031	0.080	0.044	0.1190
Ti mass content [%]	0.052	0.115	0.152	0.054	0.031	0.029	0.026	0.11	0.20	0.25	0.166	0.0113
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]	0.0050		0.0020									
Bi mass content [%]	0.0160		0.0085	0.57		0.21	0.48					
Ca mass content [%]												
Cd mass content [%]	0.018		0.0100			0.048	0.0048					
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]							0.0089					
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]						0.00007						
Mo mass content [%]												
Na mass content [%]												
P mass content [%]												
Pb mass content [%]	0.020		0.010	0.47	0.90	1.10	0.58					0.0485
Sb mass content [%]												
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]								0.051				0.0490
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]		0.050				0.013	0.012					
W mass content [%]												
Zr mass content [%]	0.150	0.040	0.080			0.010	0.010					0.1425

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

2xxx AlCu

	245/01	246/01	251/01	252/01	252C/01	253/01	254/01	255/01	266	271/01	272/01	275/01
Si mass content [%]	0.15	0.145	0.15	0.20	0.882	0.38	0.25	0.10	0.516	0.19	0.097	0.090
Fe mass content [%]	0.22	0.312	0.19	0.10	0.2817	0.22	1.23	0.93	0.5240	0.307	0.206	0.205
Cu mass content [%]	6.20	6.70	1.95	3.40	3.75	4.10	2.68	2.15	4.88	4.47	5.22	4.78
Mn mass content [%]	0.31	0.35	0.022	0.012	0.784	0.052	0.060	0.105	0.395	0.206	0.104	0.053
Mg mass content [%]	0.315	0.024	0.55	1.35	0.529	1.75	1.62	1.90	0.185	0.075	0.162	0.036
Cr mass content [%]	0.022	0.020	0.010	0.028	0.0316	0.15	0.053		0.0030	0.012	0.012	0.010
Ni mass content [%]	0.020	0.020	0.50	1.75	0.0692	2.20	1.20	0.90	0.0032	2.05	1.75	1.73
Zn mass content [%]	0.050	0.100	0.018	0.015	0.1254	0.040	0.100	0.026	0.0585	0.012	0.022	0.012
Ti mass content [%]	0.11	0.12	0.064	0.046	0.0099	0.19	0.102	0.055	0.0275	0.158	0.197	0.158
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]												
Ca mass content [%]												
Cd mass content [%]												
Ce mass content [%]												
Co mass content [%]										0.203	0.103	0.104
Ga mass content [%]												
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]					<0.0001							
P mass content [%]												
Pb mass content [%]					0.0078				0.0550			
Sb mass content [%]										0.40	0.54	0.096
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]					0.0489				0.0270			
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]		0.095								0.015	0.026	0.016
W mass content [%]												
Zr mass content [%]		0.21			0.0283				0.1230	0.104	0.194	0.103

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	2xxx AlCu				3xxx AlMn							
	276/01	288	960	AS20/02	1225	1227	137	138	151	152	312/01	313/01
Si mass content [%]	0.050	0.0860	0.586	0.204	(0.2)	(0.2)	(0.21)	(0.22)	(0.21)	(0.21)	0.100	0.140
Fe mass content [%]	0.096	0.1260	0.3200	0.310	(0.3)	(0.3)	(0.3)	(0.3)	(0.3)	(0.3)	0.36	0.50
Cu mass content [%]	5.30	5.10	3.76	4.65	(0.15)	(0.15)	(0.15)	(0.15)	(0.16)	(0.16)	0.19	0.100
Mn mass content [%]	0.251	0.1510	0.506	0.694	(1)	(1)	(1.3)	(1.3)	(1.3)	(1.3)	0.52	0.65
Mg mass content [%]	<0.001	0.0860	0.800	1.57	(1)	(0.9)	(1.2)	(1.2)	(1.2)	(1.2)	0.60	0.23
Cr mass content [%]	<0.001	0.0640	0.0630	0.104							0.048	0.031
Ni mass content [%]	1.02	0.0112	0.0310	0.052							0.030	0.022
Zn mass content [%]	<0.005	0.0540	0.0892	0.201							0.055	0.037
Ti mass content [%]	0.213	0.1340	0.0374	0.0562							0.030	0.020
Ag mass content [%]												
As mass content [%]							(<0.00002)	(0.0004)	(0.0175)	(0.0213)		
B mass content [%]					0.00260	0.00048						
Ba mass content [%]												
Be mass content [%]		0.0076	0.0022	0.00052								
Bi mass content [%]				0.050			0.00027	0.00153	0.00365	0.00021		
Ca mass content [%]				0.0006			0.00014	0.00035	0.00005	0.00011		
Cd mass content [%]				0.0013			0.00011	0.00113	0.0021	0.0106		
Ce mass content [%]												
Co mass content [%]	0.245			0.0012			0.00017	0.00058	0.00201	0.0099		
Ga mass content [%]				0.016								
Hg mass content [%]							0.00010	0.00043	0.00142	0.0064		
In mass content [%]												
La mass content [%]												
Li mass content [%]				0.00055			0.00002	0.00006	0.00060	0.00103		
Mo mass content [%]												
Na mass content [%]				(0.002)	0.00144	0.000019					0.0048 - 0.0053	0.0027 - 0.0033
P mass content [%]												
Pb mass content [%]		0.0115	0.0286	0.051			<0.0002	0.00125	<0.0002	0.0102	0.027	0.020
Sb mass content [%]	0.237						0.00009	0.00052	0.0016	0.0098		
Sc mass content [%]												
Se mass content [%]							<0.00002	<0.00002	<0.00002	<0.00002		
Sn mass content [%]		0.0120	0.0248	0.0125								
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.004	0.0600		0.0245			0.00012	0.00104	0.00158	0.00338		
W mass content [%]												
Zr mass content [%]	0.0002	0.0375	0.0312	0.140								

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

3xxx AlMn

	321/01	322/03	325/03	331/02	351/02	352/02	353/02	391C/01	758	905	975	9826
Si mass content [%]	0.348	0.105	0.51	0.242	(0.26)	(0.26)	(0.26)	0.0205	0.4824	0.2041	(0.2)	(0.3)
Fe mass content [%]	0.051	0.408	0.76	0.515	(0.46)	(0.48)	(0.46)	0.0463	0.1488	0.6785	(0.3)	(0.3)
Cu mass content [%]	0.100	0.0218	0.206	0.249	(0.15)	(0.15)	(0.15)	0.1980	0.5030	0.2962	(0.15)	(0.15)
Mn mass content [%]	0.76	1.05	1.18	0.900	(1.16)	(1.13)	(1.16)	1.483	0.908	0.412	(1)	(1)
Mg mass content [%]	0.110	0.0178	0.44	0.0430	(1.08)	(1.06)	(1.08)	0.0123	0.0992	0.1949	(1)	(0.9)
Cr mass content [%]	0.020	0.0053	0.050	0.195	(0.001)	(0.0007)	(0.001)	0.0905	0.0112	0.0416		
Ni mass content [%]	0.022	0.0009		0.0332	(0.003)	(0.003)	(0.003)	0.0258	0.0022	0.0103		
Zn mass content [%]	0.010	0.051	0.165	0.0188	(0.052)	(0.049)	(0.052)	0.0505	0.0224	0.1484		
Ti mass content [%]	0.15	0.011	0.099	0.0540	(0.025)	(0.019)	(0.025)	0.0847	0.0384	0.0101		
Ag mass content [%]												
As mass content [%]					0.00135	0.00142	0.0061					
B mass content [%]											0.0022	
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]		0.0020										
Ca mass content [%]												
Cd mass content [%]					0.0013	0.0021	0.0050					
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]												
Hg mass content [%]					0.00094	0.0022	0.0059					
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]	0.0011			(0.0002)				0.00003			0.00018	0.00081
P mass content [%]												
Pb mass content [%]	0.021	0.0041		0.0044	0.0025	0.0039	0.0053	0.0200	0.0051	0.0087		
Sb mass content [%]												
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]								0.0046	0.0298	0.0054		
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.031	0.0095	0.0021	0.0263	(0.011)	(0.010)	(0.011)					
W mass content [%]												
Zr mass content [%]		0.067		0.138	(0.005)	(0.005)	(0.005)	0.0011				

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	004	005/1	006/1	02002	1005	1043	1045	1206	1775	1947	1948	1949/1
Si mass content [%]	(18)	(18)	(18)	(9.2)	2.14	5.03	8.02	3.00	12.05	(12)	(12)	(12)
Fe mass content [%]	(0.1)	(0.1)	(0.1)	(0.3)	0.351	0.012	0.287	0.795	0.306	(0.1)	(0.1)	(0.1)
Cu mass content [%]	(1)	(1)	(1)	(5.5)	0.1011	0.0061	0.0610	4.29	0.0570	(1.4)	(1.4)	(1.5)
Mn mass content [%]				(0.1)	0.402	0.2170	0.0057	0.037	0.371			
Mg mass content [%]	(1.2)	(1.2)	(1.2)	(2)	0.573	0.840	0.112	0.570	0.0265	(1.2)	(1.2)	(1.2)
Cr mass content [%]				(0.2)	0.0609				0.0127			
Ni mass content [%]	(1)	(1)	(1)	(3.6)	0.0914	0.0193	0.0500	0.301	0.0975	(1.1)	(1.1)	(1.1)
Zn mass content [%]				0.0036	0.051	0.0315	0.0870	0.154	0.1285			
Ti mass content [%]	(0.1)	(0.1)	(0.1)	(0.1)	0.070	0.0425	0.2550	0.093	0.0480	(0.1)	(0.1)	(0.1)
Ag mass content [%]												
As mass content [%]												
B mass content [%]				0.0009								
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]												
Ca mass content [%]	0.00019	0.00345	0.00890							0.00010	0.00350	0.00735
Cd mass content [%]					0.0040							
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]												
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]	0.00003	0.00086	0.00245							<0.000005	0.00126	0.00292
P mass content [%]												
Pb mass content [%]				0.0042	0.021	0.0195	0.1000	0.100	0.0307			
Sb mass content [%]				0.0166	0.0026	0.010	0.451	0.025	0.1920			
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]				0.0043	0.091	0.0480	0.0780	0.196	<0.0015			
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]				(0.1)								
W mass content [%]												
Zr mass content [%]				0.057								

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	1949/2	1950/1	1950/2	411/04	412/08	413/05	414/05	415/03	416/04	422/03	423/03	426/02
Si mass content [%]	(12)	(12)	(12)	9.60	10.26	11.29	11.7	12.80	13.43	9.41	11.2	7.46
Fe mass content [%]	(0.1)	(0.1)	(0.1)	0.134	0.375	0.191	0.40	0.180	0.690	0.190	0.210	0.22
Cu mass content [%]	(1.5)	(1.4)	(1.4)	0.0102	0.037	0.023	0.102	0.054	0.190	0.020	0.0094	0.0057
Mn mass content [%]				0.0243	0.156	0.026	0.25	0.096	0.386	0.107	0.062	0.011
Mg mass content [%]	(1.2)	(1.3)	(1.3)	0.0105	0.25	0.097	0.490	0.500	0.287	0.346	0.246	0.59
Cr mass content [%]				0.0106	0.031	0.0051	0.010	0.0300	0.049	0.019	0.010	0.0015
Ni mass content [%]	(1.1)	(1.1)	(1.1)	0.0129	0.024	0.0044	0.013	0.050	0.096	0.022	0.011	0.0026
Zn mass content [%]				0.0156	0.051	0.0133	0.096	0.036	0.048	0.052	0.021	0.013
Ti mass content [%]	(0.1)	(0.1)	(0.1)	0.0154	0.111	0.053	0.069	0.055	0.028	0.049	0.028	0.127
Ag mass content [%]												
As mass content [%]												
B mass content [%]										<0.0002		
Ba mass content [%]												
Be mass content [%]									0.0010			
Bi mass content [%]					0.0046			0.0084				
Ca mass content [%]	0.00755	0.01230	0.01230	0.00044 - 0.000	0.0089	0.0012	0.0039	0.018	0.0022 - 0.0025	0.0088	0.0009	(0.0019)
Cd mass content [%]							0.0013				0.0035	0.0019
Ce mass content [%]												
Co mass content [%]							0.0092	0.050	0.020	0.401	0.220	
Ga mass content [%]						0.0044	0.0041	0.0088	0.0080	0.010	0.0037	
Hg mass content [%]							0.0004				0.0011	(0.001)
In mass content [%]												
La mass content [%]												
Li mass content [%]							0.00056		0.0004		0.0002	
Mo mass content [%]												
Na mass content [%]	0.00320	0.00510	0.00552	0.0041 - 0.0052	0.0015	0.0005	0.00017	(0.007)	0.0125 - 0.0165	0.0036 - 0.0040	0.0007	
P mass content [%]				(0.0009)	0.0068	0.0011	0.0028	0.0020	0.0023 - 0.0028	0.0015	0.0011	
Pb mass content [%]				0.0050	0.0114	0.0035	0.0017	0.051	0.019	0.0047	0.0013	0.019
Sb mass content [%]						0.0054	0.0016	0.017	0.0042	0.0047	0.0097	0.18
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]				0.0051		0.0016	0.0047	0.048	0.016	0.0030	0.0060	0.019
Sr mass content [%]					0.0215	0.056	0.033	0.0006	0.0101 - 0.0106		0.0005	
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]				0.0056		0.0057	0.0096	0.020	0.0098	0.0083	0.0117	0.0022
W mass content [%]												
Zr mass content [%]				0.0051		0.0050	0.010		0.0201	0.0098	0.0067	

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	427/01	431/02	432/02	433/04	434/03	436/02	437/01	441/04	442/04	445C/01	451/04	452/02
Si mass content [%]	8.93	7.91	9.33	11.96	12.9	11.05	17.8	6.82	8.03	10.34	6.93	6.96
Fe mass content [%]	0.32	0.091	0.18	0.306	0.33	0.575	0.19	0.98	0.73	0.873	0.120	0.121
Cu mass content [%]	0.004	0.69	0.90	1.44	1.74	1.11	3.94	3.92	3.31	2.97	0.051	0.0039
Mn mass content [%]	0.146	0.053	0.105	0.154	0.20	0.240	0.004	0.40	0.52	0.213	0.0077	0.0121
Mg mass content [%]	0.013	0.55	0.80	1.25	1.45	1.07	1.03	0.32	0.142	0.314	0.63	0.63
Cr mass content [%]	(0.001)	0.011	0.021	0.047	0.103	0.0113	0.002	0.031	0.030	0.0272	0.0022	0.0015
Ni mass content [%]	0.0020	0.51	0.75	1.05	1.49	0.779	1.00	0.097	0.045	0.336	0.0049	0.0026
Zn mass content [%]	0.014	0.025	0.054	0.201	0.129	0.484	0.008	1.97	1.04	0.290	0.0054	0.0014
Ti mass content [%]	0.0132	0.018	0.039	0.053	0.114	0.079	0.006	0.148	0.121	0.107	0.093	0.097
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]											0.0005	0.0004
Bi mass content [%]												
Ca mass content [%]		0.0069	0.0042	0.0052	0.015	0.0022 - 0.0027		0.0063	0.0057	0.0018	0.0012	0.0017
Cd mass content [%]						0.0016					0.0007	
Ce mass content [%]												
Co mass content [%]						0.0015						
Ga mass content [%]											0.0079	0.0073
Hg mass content [%]						0.0027					0.0007	
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]		0.0014	0.0040	0.0082	0.0079	0.0003		0.0016	0.0017 - 0.0027	0.0020	0.0007 - 0.0010	0.0009
P mass content [%]			0.0006	0.0012	(0.0012)		<0.0005	0.0008	(0.0020)	0.0021	0.0016	0.0019
Pb mass content [%]				0.019	0.0074	0.101		0.193	0.14	0.0507	0.0016	0.0013
Sb mass content [%]	0.37			0.0046		0.0022				0.0018		
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]				0.0086	0.0054	0.0077		0.195	0.141	0.195	0.0009	0.0013
Sr mass content [%]		0.13	0.055	0.050	0.027	0.0021 - 0.0028		0.0005			0.0184 - 0.0204	0.0002
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0044	0.017	0.0037	0.0157	0.0143	0.0155	0.0045	0.021	0.021	0.0393	0.0048	0.0051
W mass content [%]												
Zr mass content [%]				0.0197	0.0112	0.0301		0.097	0.058		0.0014	0.0008

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	453/01	454/02	455/01	456/01	461/01	462/02	465/01	471/02	472/02	473/02	6009	6052
Si mass content [%]	6.48	7.46	8.06	5.89	12.28	11.3	9.18	15.8	17.7	19.6	7.95	(7.1)
Fe mass content [%]	0.179	0.095	0.33	0.53	0.454	0.816	0.566	0.84	1.43	0.194	0.592	(0.1)
Cu mass content [%]	0.022	0.011	0.053	0.104	0.345	1.96	0.095	4.90	4.02	0.96	0.0350	
Mn mass content [%]	0.0522	0.030	0.103	0.202	0.489	0.402	0.404	0.113	0.321	0.062	0.152	
Mg mass content [%]	0.345	0.429	0.54	0.250	0.131	0.189	0.332	0.637	0.344	1.08	0.4340	(0.3)
Cr mass content [%]	0.0123	0.0073	0.0326	0.053	0.0532	0.049	0.027	0.052	0.035	0.013	0.0117	
Ni mass content [%]	0.0118	0.0072	0.055	0.0240	0.248	0.190	0.051	0.102	0.498	1.20	0.0490	
Zn mass content [%]	0.0184	0.0338	0.053	0.154	0.152	1.21	0.104	0.115	0.321	0.51	0.0330	
Ti mass content [%]	0.068	0.151	0.0419	0.115	0.104	0.150	0.172	0.178	0.103	0.059	0.0845	(0.01)
Ag mass content [%]												
As mass content [%]					<0.0001	<0.0002						
B mass content [%]					<0.0005	<0.0005						
Ba mass content [%]												
Be mass content [%]		<0.0001			0.0051	0.00050	0.00095					
Bi mass content [%]			0.0044		0.0092	0.0062						
Ca mass content [%]	0.0070	0.0031			0.0023	0.0015	0.0065	0.0050	0.0070	0.0020		
Cd mass content [%]					<0.00002	<0.0001						
Ce mass content [%]												
Co mass content [%]						0.0047						
Ga mass content [%]		0.017			0.0076	0.0113	0.0078	0.0098	0.0113	0.008		
Hg mass content [%]						<0.0002						
In mass content [%]												
La mass content [%]												
Li mass content [%]						0.0003						
Mo mass content [%]												
Na mass content [%]			0.0031		0.0019	0.0008	0.0013					
P mass content [%]		0.0011	0.0022	0.0028		(0.003)	(0.004)	0.0019	0.0022	0.0043		0.00210
Pb mass content [%]	0.0039		0.0104	0.0060	0.0190	0.210	0.050	0.054	0.117	0.086	0.0064	
Sb mass content [%]	0.0023			0.0028	0.0030	0.0108					0.0460	
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	0.0029		0.0052	0.0103	0.0201	0.0185	0.050	0.053	0.094	0.29	0.0293	
Sr mass content [%]	(0.072)			0.0460		0.0087						
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0110	0.0103	0.021	0.0112	0.0141	0.0092	0.010	0.077	0.057	0.020		
W mass content [%]												
Zr mass content [%]	0.0099	0.0107	0.0100	0.0053	0.0193	0.0049	0.0097	0.058	0.0192	0.0076		

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	6075	6076/1	6076/2	8035	8041	8054/1	813	907	932	9331	9506	9507
Si mass content [%]	(5)	(5)	(5)	(7)	(9.5)	(9.7)	1.26	6.54	(7)	9.68	(12)	(12)
Fe mass content [%]	(0.1)	(0.1)	(0.1)	(0.1)	(0.14)	(0.11)	0.3970	0.198	(0.1)	0.129	(0.5)	(0.5)
Cu mass content [%]	(3)	(3)	(3)				0.0080	1.00		0.0021	(1.2)	(1.2)
Mn mass content [%]							0.0044	0.356		0.925		
Mg mass content [%]	(0.3)	(0.3)	(0.3)	(0.4)	(0.4)	(0.4)	0.0002	0.018	(0.4)	0.6082	(1)	(1)
Cr mass content [%]							0.1249			0.0007		
Ni mass content [%]							0.0023	0.0303		0.0013	(0.9)	(0.9)
Zn mass content [%]							0.0052	0.498		0.0048		
Ti mass content [%]	(0.1)	(0.1)	(0.1)	(0.1)	(0.09)	(0.1)	0.0055	0.030	(0.1)	0.0122	(0.1)	(0.1)
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]												
Ca mass content [%]	0.00973	0.00595	0.00595	0.00057	0.00090	0.01425			0.0050 - 0.0081			
Cd mass content [%]												
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]												
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]	0.00939	0.00480	0.00505	<0.0002	0.00053	0.00806			0.0054 - 0.0127			
P mass content [%]	0.00038	0.00034	0.00034		0.00333	0.00020					0.0160	0.0165
Pb mass content [%]							0.0005	0.0017		0.0194		
Sb mass content [%]								0.069		0.0942		
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]							0.0005	0.030		0.0186		
Sr mass content [%]				0.0801					0.0140 - 0.0211			
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]												
W mass content [%]												
Zr mass content [%]												

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	9524	9526	9528	9530	9531	9533	9534	9536	9618	9619	9621	9626
Si mass content [%]	11.69	10.73	9.22	13.31	13.63	5.88	11.88	11.91	14.08	13.70	11.35	11.33
Fe mass content [%]	0.086	0.347	0.556	0.724	0.722	0.151	1.204	1.238	0.293	0.293	0.464	0.471
Cu mass content [%]	0.50	1.43	1.99	0.98	0.97	4.92	0.98	0.98	0.1564	0.1529	0.0260	0.0249
Mn mass content [%]	0.257	0.140	0.055	0.006	0.006	0.693	0.038	0.039	0.146	0.145	0.327	0.327
Mg mass content [%]	0.49	1.27	1.75	0.86	0.84	0.037	0.126	0.129	0.193	0.193	0.0521	0.0507
Cr mass content [%]						0.150	0.0108	0.0122	0.0100	0.0099	0.0377	0.0382
Ni mass content [%]	0.53	0.81	1.50	1.04	1.01	0.0240	0.1389	0.1370	0.0042	0.0043	0.0572	0.0579
Zn mass content [%]	0.148	0.061	0.022	0.240	0.238	0.683	0.049	0.049	0.0039	0.0037	0.0919	0.0931
Ti mass content [%]	0.019	0.105	0.197	0.007	0.007	0.189	0.016	0.017	0.0132	0.0136	0.1623	0.1510
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]									0.00253	0.00252	0.00096	0.00096
Bi mass content [%]												
Ca mass content [%]												
Cd mass content [%]												
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]												
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]												
P mass content [%]												
Pb mass content [%]	(0.098)	0.0578	0.0204	0.0080	0.0080	0.013	0.134	0.133	0.0907	0.0906	0.0177	0.0178
Sb mass content [%]	0.0331	0.0171	0.0092	0.0030	0.0029	0.023	0.0004	0.0005	0.0186	0.0160	0.0076	0.0074
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	(0.0984)	0.0579	0.0200	0.0079	0.0077	0.347	0.076	0.075	0.0579	0.0587	0.0944	0.0936
Sr mass content [%]									0.0451	0.0450	0.1127	0.1118
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]												
W mass content [%]												
Zr mass content [%]												

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

4xxx AISi

	9704	9706	9709	9711	9714	9716	9718	9720	977	9813/2	9906	9913
Si mass content [%]	(6.9)	(7)	(7.1)	(6.9)	(9.2)	(9.6)	(9.2)	(9.4)	(9.5)	(11)	3.92	(7)
Fe mass content [%]	(0.04)	(0.2)	(0.08)	(0.16)	(0.04)	(0.18)	(0.08)	(0.11)	(0.2)	(0.2)	0.423	(0.1)
Cu mass content [%]	(0.42)									(1.4)	0.0132	
Mn mass content [%]											0.034	
Mg mass content [%]		(0.39)	(0.4)	(0.39)	(0.3)	(0.32)	(0.31)	(0.26)	(0.4)	(1.3)	0.928	(0.4)
Cr mass content [%]											0.0114	
Ni mass content [%]										(1.1)	0.0378	
Zn mass content [%]											0.0033	
Ti mass content [%]	(0.12)	(0.13)	(0.1)	(0.1)	(0.11)	(0.15)	(0.1)	(0.1)	(0.1)	(0.1)	0.0259	(0.1)
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]												
Bi mass content [%]												
Ca mass content [%]									0.0022			0.00311
Cd mass content [%]											0.0043	
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]	0.0395	0.0035	0.0168	0.0091	0.0409	0.0032	0.0166	0.0089				
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]									0.0009			0.00355
P mass content [%]									0.0017	0.0031		
Pb mass content [%]											0.0023	
Sb mass content [%]	0.0194	0.00046	0.0115	0.0063	0.0148	0.00010	0.0115	0.0060				
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]											0.0003	
Sr mass content [%]										0.0034		0.0454
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]												
W mass content [%]												
Zr mass content [%]												

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

5xxx AlMg

	003	200	201	202	203	212	2330	2340	2350	511/01	512/02	513/02
Si mass content [%]	0.350	(0.14)	(0.15)	(0.13)	(0.12)	(0.1)	0.029	0.097	0.197	0.022	0.0377	0.0057
Fe mass content [%]	0.610	(0.26)	(0.31)	(0.28)	(0.28)	(0.2)	0.039	0.189	0.374	0.023	0.0306	0.0056
Cu mass content [%]	0.0065						0.1484	0.1007	0.0517	0.022	0.0126	0.0033
Mn mass content [%]	0.0420	(0.36)	(0.38)	(0.37)	(0.37)		0.2494	0.0016	0.0506	0.0045	0.0107	0.0010
Mg mass content [%]	0.41	(4.8)	(4.6)	(4.6)	(4.8)	(0.8)	1.324	1.009	0.669	0.20	0.498	0.98
Cr mass content [%]	0.0600						0.0002	0.0510	0.0985	0.006	0.0107	0.0010
Ni mass content [%]	0.0290						0.0015	0.0208	0.0519	0.005	0.0117	0.0012
Zn mass content [%]	0.0180						0.1485	0.0979	0.0498	0.007	0.0116	0.0035
Ti mass content [%]	0.0540						0.1115	0.0562	0.0231	0.0051	0.0135	0.0030
Ag mass content [%]												
As mass content [%]		0.0031	(0.0037)	0.0006	(0.0037)						0.0016	
B mass content [%]		0.00162	0.0037	0.00013	0.00009	0.00011						
Ba mass content [%]												
Be mass content [%]							0.00295	0.00127	0.00044		0.00092	
Bi mass content [%]												
Ca mass content [%]		(0.00062)	(0.0007)	(0.00004)	(0.00024)	0.00018						
Cd mass content [%]		0.00226	0.0117	0.00013	<0.00003						0.0010	
Ce mass content [%]												
Co mass content [%]		0.00212	0.0095	0.00015	0.00051							
Ga mass content [%]											0.0042	
Hg mass content [%]		0.00232	0.0137	0.00017	<0.00005						0.0036	
In mass content [%]												
La mass content [%]												
Li mass content [%]		0.00141	0.0094	0.000009	0.00006							
Mo mass content [%]		0.00010	0.0075	0.00014	<0.0001							
Na mass content [%]												
P mass content [%]												
Pb mass content [%]	0.0205						0.0213	0.0302	0.0106		0.00126	
Sb mass content [%]		0.00146	0.0093	0.000009	0.000013						0.0014	
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	0.0300						0.0512	0.0996	0.0203		0.0012	
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0145	0.00113	0.00040	0.00193	0.000024		0.0190	0.0349	0.0273		0.0057	0.0012
W mass content [%]												
Zr mass content [%]							0.0868	0.0455	0.0190		0.0052	0.0010

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

5xxx AlMg

	514/01	514/02	516/01	521/01	521/02	522/03	523/01	524/04	525/04	531/02	532/01	533/03
Si mass content [%]	0.068	0.0660	0.002	0.030	0.053	0.203	0.087	0.403	0.220	0.140	0.009	0.319
Fe mass content [%]	0.0075	0.0629	0.005	0.033	0.056	0.197	0.084	0.500	0.313	0.149	0.011	0.216
Cu mass content [%]	0.0010	0.0110	0.001	0.011	0.0104	0.0300	0.0011	0.100	0.066	0.078	0.012	0.0544
Mn mass content [%]		0.0305	0.001	0.030	0.0289	0.102	0.150	0.199	0.285	0.249	0.0009	0.102
Mg mass content [%]	2.42	2.42	3.8	0.51	0.493	1.01	1.51	2.00	2.87	3.72	4.33	5.03
Cr mass content [%]		0.0055	0.001	0.005	0.0054	0.0158	0.105	0.176	0.327	0.052	0.0050	0.102
Ni mass content [%]		0.0062	0.002		0.0049	0.0103	0.0097	0.0290	0.028	0.053	0.0043	0.0117
Zn mass content [%]		0.0219	0.002	0.049	0.115	0.0219	0.012	0.0586	0.035	0.154	0.0008	0.0311
Ti mass content [%]		0.0241	<0.0005	0.005	(0.0033)	0.0104	0.110	0.0614	0.029	0.101	0.0005	0.0188
Ag mass content [%]												
As mass content [%]		<0.0001										
B mass content [%]					(0.0025)							(0.0007)
Ba mass content [%]												
Be mass content [%]		0.0020	0.0005			0.0039		0.0010	0.00053	0.0021	0.00050	0.0041
Bi mass content [%]		0.0019					0.0090	0.0010	0.024	0.0183		0.0009
Ca mass content [%]			0.0010			0.0010		0.0020	0.0007			0.0019 - 0.0023
Cd mass content [%]		0.0020	0.001			0.0010		0.0022	0.0008			0.0015
Ce mass content [%]												
Co mass content [%]			0.0006		0.0045							
Ga mass content [%]		0.0081	0.001			0.0051			0.021		0.0015	
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]			0.0002					0.00024	0.0015	0.00064		0.00022
Mo mass content [%]												
Na mass content [%]		0.0014	0.0001	0.0019 - 0.0025	0.0019 - 0.0022	0.0011		0.0029	0.0013	0.0010 - 0.0012	(0.006)	0.0032 - 0.0035
P mass content [%]					0.0028			0.0011			0.0012	
Pb mass content [%]		0.0035	0.001			0.0039	0.020	0.0068	0.021	0.0104	0.0044	0.0022
Sb mass content [%]		0.0030						0.0007	0.004			
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]		0.0032	0.001					0.0025	0.016		0.0038	0.0011
Sr mass content [%]												0.0010
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]		0.0100	<0.001			0.0027	0.0172	0.0072	0.018	0.0083	0.0003	0.0062
W mass content [%]												
Zr mass content [%]		0.0050	0.001					0.0042	0.0058		<0.0002	0.0055

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

5xxx AlMg

	535/01	536/01	537/02	537C/01	538C/01	542/01	544/01	545/02	547/01	551/02	551/03	552/01
Si mass content [%]	0.044	0.120	0.224	0.091	0.050	0.200	0.055	0.142	0.155	0.23	0.246	0.150
Fe mass content [%]	0.051	0.24	0.330	0.249	0.059	0.290	0.141	0.296	0.406	0.060	0.060	0.105
Cu mass content [%]	0.030	0.031	0.0189	0.252	0.0494	0.045	0.010	0.029	0.104	0.140	0.137	0.095
Mn mass content [%]	0.118	0.305	0.450	0.147	0.617	0.81	1.04	0.802	0.702	1.08	1.10	0.80
Mg mass content [%]	5.88	4.40	4.76	5.83	4.70	4.08	5.51	5.49	4.58	1.42	1.40	1.54
Cr mass content [%]	0.051	0.055	0.0104	0.0045	0.141	0.146	0.048	0.153	0.158	0.30	0.338	0.200
Ni mass content [%]	0.010	0.010	0.0066	0.0508	0.0188		0.019	0.0100	0.011	<0.001	0.0031	<0.001
Zn mass content [%]	0.100	0.052	0.0154	0.1016	0.0298	0.054	0.011	0.0216	0.065	0.100	0.100	0.065
Ti mass content [%]	0.010	0.049	0.0036	0.0192	0.0409	0.0115	0.053	0.105	0.099	0.010	0.0117	
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]	0.014		0.0005	0.00066	0.00025				0.0011			
Bi mass content [%]		(0.0019)	0.0012						0.0036			
Ca mass content [%]			0.0023	0.00174		(0.0075)			0.0004 - 0.0007			
Cd mass content [%]			0.0011	0.0020					0.0049			
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]			0.0298	0.0049					0.013			
Hg mass content [%]				0.0023								
In mass content [%]												
La mass content [%]												
Li mass content [%]			0.00041	<0.00005		0.0014	0.0006	0.0006	0.00030 - 0.000	0.0015	0.0014	0.0015
Mo mass content [%]												
Na mass content [%]	0.0063		0.0023	0.00045	0.0003	(0.003)	0.00140	0.00135	0.00150 - 0.002	(0.0045)	0.0027	(0.0034)
P mass content [%]												
Pb mass content [%]	0.020		0.0023	0.0100	0.0056	0.009			0.0057	0.019	0.0186	
Sb mass content [%]												
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]			0.0015	0.0204	0.0093	0.011		0.011	0.0055			0.020
Sr mass content [%]			0.0007									
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]			0.0102	0.0051		0.010			0.012	0.022	0.0215	0.020
W mass content [%]												
Zr mass content [%]			0.0041	0.0458	0.0154				0.0056			

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

5xxx AlMg

	552/02	553/01	554/01	554/02	555/03	556/01	561/01	565/03	571/01	572/01	573/01	574/02
Si mass content [%]	0.144	0.039	0.26	0.258	0.419	0.24	1.17	1.84	0.14	0.42	0.221	0.096
Fe mass content [%]	0.097	0.202	0.30	0.321	0.404	0.495	0.253	0.50	0.15	0.307	0.198	0.106
Cu mass content [%]	0.099	0.048	0.040	0.052	0.107	0.019	0.0245	0.050	0.100	0.019	0.0105	0.046
Mn mass content [%]	0.798	0.500	1.17	1.03	0.516	0.80	0.280	0.437	0.20	0.195	0.112	0.026
Mg mass content [%]	1.95	1.48	2.74	2.64	3.01	3.29	2.75	7.01	6.50	7.87	8.97	9.88
Cr mass content [%]	0.198	0.106	0.030	0.0321	0.105	0.25	0.025		0.012			0.0043
Ni mass content [%]	0.0048	<0.001	0.0010	0.0086	0.011	0.0105	0.0458		0.015			0.0044
Zn mass content [%]	0.061	0.021	0.100	0.110	0.101	0.030	0.021	0.031	0.062	0.126	0.051	0.024
Ti mass content [%]	0.0100	0.032	0.046	0.0466	0.094	0.154	0.0120	(0.21)	0.054	0.064	0.16	0.097
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]	0.0010			0.0024			0.0121	0.0099		0.0050	0.0080	0.013
Bi mass content [%]					0.017							
Ca mass content [%]	(0.0009)											
Cd mass content [%]	0.0022			0.0051			0.0009					
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]							0.019					
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]	0.00045	0.0005		0.00017		0.0007						
Mo mass content [%]												
Na mass content [%]	0.0016	(0.0027)	(0.0075)	0.0039 - 0.0047	0.0004	0.00110	(0.0043)					
P mass content [%]												
Pb mass content [%]	0.0038	0.020		0.0091	0.010		0.0444					0.014
Sb mass content [%]												
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	0.0187			0.0124			0.0323					0.016
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0092	0.0245		0.0088	0.0083		0.0170					0.0070
W mass content [%]												
Zr mass content [%]	0.0050				0.0092							

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	5xxx AlMg					6xxx AlMgSi, AlSiMg						
	6036	6038	6083	AS50/01	AS60/01	6063/H1	611/01	611/03	612/02	613/08	614/05	618/01
Si mass content [%]	0.102	0.172	(0.5)	0.220	0.639	0.64	0.30	0.198	0.315	0.413	0.630	0.500
Fe mass content [%]	0.276	0.109	(0.2)	0.347	0.253	0.360	0.09	0.069	0.132	0.268	0.246	0.201
Cu mass content [%]	0.0065	0.1507		0.084	0.0330	0.105	0.0016	0.0012	0.0101	0.0101	0.0299	0.0364
Mn mass content [%]	0.383	0.889		0.85	0.0397	0.159	0.0003	0.0020	0.0065	0.0193	0.0518	0.0895
Mg mass content [%]	2.07	3.00	(0.5)	4.50	0.794	0.93	0.21	0.211	0.316	0.399	0.616	0.588
Cr mass content [%]	0.1248	0.0444		0.100	0.0258	0.041	0.001	0.0010	0.0030	0.0050	0.0209	0.0087
Ni mass content [%]	0.0487	0.0021		0.030	0.0113	0.052	<0.001	0.0016	0.0009	0.0044	0.0095	0.0050
Zn mass content [%]	0.0936	0.0583		0.101	0.0259	0.105	0.0016	0.0013	0.0031	0.0087	0.0523	0.0134
Ti mass content [%]	0.0527	0.1035		0.040	0.0216	0.105	0.002	0.0015	(0.0023)	0.0146	0.0303	0.0225
Ag mass content [%]												
As mass content [%]										0.0020	0.0033	
B mass content [%]			0.00899					0.0002	(0.0006)			
Ba mass content [%]												
Be mass content [%]	0.00096	0.00222		0.0050					0.0023	0.0011		
Bi mass content [%]				0.0173	0.0048					0.0036	0.0078	0.0140
Ca mass content [%]								0.0017		0.0005	0.0011 - 0.0014	(0.0006)
Cd mass content [%]						0.0026		0.0058		0.0035	0.0016	
Ce mass content [%]												
Co mass content [%]								0.0010			0.0041	
Ga mass content [%]										0.0172		0.0117
Hg mass content [%]								0.0108		0.0015	0.0033	
In mass content [%]												
La mass content [%]												
Li mass content [%]				0.0006				0.00065 - 0.000		0.0006	0.0003	
Mo mass content [%]												
Na mass content [%]	0.00034	0.00009	0.00369	0.0011				<0.0001		0.0004	0.0007 - 0.0011	
P mass content [%]								0.0018	0.0005	0.0012	0.0032	
Pb mass content [%]	0.0195	0.0502	0.00660	0.009	0.0058	0.0033		0.0009	0.0027	0.0107	0.0052	0.0026
Sb mass content [%]					0.0045					0.0085	0.0035	
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	0.0023	0.0009			0.0036	0.0027		0.0010		0.0111	0.0055	0.0148
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]				0.026	0.0147	0.0205	0.001	0.0004	(0.0048)	0.0109	0.0166	0.0169
W mass content [%]												
Zr mass content [%]	0.0504	0.0024				0.0194		0.0010		0.0044	0.0016	0.0013

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

6xxx AlMgSi, AlSiMg

	621/01	622/01	623/01	624/01	631/01	632/02	633/01	634/02	635/03	637C/01	651/02	661/02
Si mass content [%]	2.02	2.90	3.96	4.95	0.53	0.680	0.98	1.05	1.29	1.569	0.583	0.619
Fe mass content [%]	0.080	0.16	0.22	0.25	0.105	0.203	0.340	0.425	0.276	0.377	0.187	0.306
Cu mass content [%]	0.010	0.030	0.047	0.078	0.0105	0.029	0.039	0.085	0.049	0.379	0.301	0.057
Mn mass content [%]	0.050	0.15	0.23	0.340	0.505	0.421	0.275	0.759	1.03	0.304	0.296	0.050
Mg mass content [%]	0.29	0.41	0.50	0.61	0.515	0.475	0.73	0.840	0.748	1.468	0.91	0.717
Cr mass content [%]	0.0065	0.010	0.019	0.029	0.103	0.0206		0.031	0.059	0.3514	0.0100	0.052
Ni mass content [%]	<0.001		<0.001	<0.001	0.010	0.0066		0.033	0.052	0.1026	0.0065	0.0032
Zn mass content [%]	0.024	0.040	0.060	0.105	0.018	0.0515	0.130	0.032	0.147	0.0011	0.051	0.113
Ti mass content [%]	0.056	0.070	0.10	0.16	0.0078	0.029	0.056	0.071	0.044	0.0648	0.013	0.051
Ag mass content [%]												
As mass content [%]									0.0026			
B mass content [%]												(0.0001)
Ba mass content [%]												
Be mass content [%]	0.018								0.0006			
Bi mass content [%]								0.0028			0.495	
Ca mass content [%]	0.005	0.007	0.0080	0.0104		0.0003			0.0008			
Cd mass content [%]									0.0008		0.027	
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]										0.0495		
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]							0.00030		0.0008			
Mo mass content [%]												
Na mass content [%]					(0.0004)	0.00055		0.0013 - 0.0015	0.0015			0.0004
P mass content [%]								0.0008				0.0024
Pb mass content [%]					0.006	0.0055		0.0021	0.0064	0.0200	0.394	0.0025
Sb mass content [%]								0.0004	0.0027			
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]							0.0050		0.0009	0.0048	0.0022	
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0045	0.0066	0.0115	0.016		0.0022	0.0095	0.0152	0.0147	0.0291	0.0069	0.080
W mass content [%]												
Zr mass content [%]								0.0013	0.0048	0.0515		0.0012

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	6xxx AlMgSi, AlSiMg			7xxx AlZn								
	662/02	666/01	849	10838	10839	10840	10841	10843	248	6018	711/02	712/02
Si mass content [%]	0.700	1.41	0.613	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)	0.460	0.027	0.40	0.131
Fe mass content [%]	0.320	0.52	0.613	(0.12)	(0.12)	(0.12)	(0.12)	(0.12)	0.375	0.264	0.452	0.191
Cu mass content [%]	0.212	1.47	0.753	0.76	2.32	(1.6)	(1.6)	(1.6)	0.258	1.47	0.049	0.0295
Mn mass content [%]	0.070	0.60	0.0504	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	0.418	0.165	0.204	0.158
Mg mass content [%]	0.601	0.80	0.629	(2.8)	(2.8)	2.15	3.60	(2.8)	1.49	2.26	4.45	3.64
Cr mass content [%]	0.147	0.17	0.1308	(0.15)	(0.15)	(0.15)	(0.15)	(0.15)	0.056	0.294	0.0092	
Ni mass content [%]	0.0012		0.0060						0.035	0.0302		
Zn mass content [%]	0.100	0.10	0.2497	(7.8)	(7.8)	(7.8)	(7.8)	6.40	4.90	5.42	1.30	2.29
Ti mass content [%]	0.0048	0.051	0.0043	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	0.153	0.0710	0.106	0.027
Ag mass content [%]												
As mass content [%]												
B mass content [%]	0.0003											
Ba mass content [%]												
Be mass content [%]			0.00010	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	0.0002	0.0036	0.0050	0.0022
Bi mass content [%]												
Ca mass content [%]	0.0013											
Cd mass content [%]										0.0178		
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]			0.0258									
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												
Mo mass content [%]												
Na mass content [%]	0.0006									0.00090		
P mass content [%]												
Pb mass content [%]	0.0050		0.0015						0.100	0.0285		
Sb mass content [%]	0.0053											
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]	0.0052		0.0203	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	0.101	0.0274		
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]	0.0042		0.0122	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)		0.0251		
W mass content [%]												
Zr mass content [%]	0.0028		0.1164						0.055	0.0160		

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

7xxx AlZn

	713/01	714/02	715/02	716/02	721/01	722/01	723/01	724/02	731/01	732/01	733/03	734/02
Si mass content [%]	0.33	0.10	0.20	0.10	0.10	0.18	0.30	0.366	0.15	0.20	0.104	0.250
Fe mass content [%]	0.35	0.10	0.60	0.26	0.20	0.24	0.33	0.430	0.19	0.24	0.142	0.360
Cu mass content [%]	0.10	0.0105	0.30	0.051	0.05	0.08	0.115	0.149	0.58	0.99	1.45	2.07
Mn mass content [%]	0.53	0.013	0.351	0.50	0.15	0.35	0.50	0.190	0.15	0.20	0.282	0.51
Mg mass content [%]	1.67	0.98	0.45	3.50	0.81	1.23	1.80	2.66	1.23	2.06	2.36	3.00
Cr mass content [%]	0.19	0.092	(0.33)	0.036	0.09	0.14	0.22	0.158	0.019	0.045	0.258	0.18
Ni mass content [%]		0.011	0.050	0.050	0.011	0.030	0.052	0.097			0.017	0.052
Zn mass content [%]	4.60	3.65	5.40	4.50	3.70	4.24	4.69	4.84	4.00	4.45	5.02	6.16
Ti mass content [%]	0.017	0.057	0.15	0.033	0.010	0.015	0.035	0.093	0.008	0.016	0.021	0.035
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]		0.0005		0.0010							0.0010	
Bi mass content [%]								0.0038				
Ca mass content [%]								0.0009				
Cd mass content [%]												
Ce mass content [%]												
Co mass content [%]												0.0214
Ga mass content [%]												
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]											0.00024	
Mo mass content [%]												
Na mass content [%]								0.0005			0.0017	
P mass content [%]												
Pb mass content [%]								0.0050			0.019	0.010
Sb mass content [%]											0.0023	
Sc mass content [%]												
Se mass content [%]												
Sn mass content [%]								0.0062			0.00018	0.0040
Sr mass content [%]												
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]								0.0067			0.0100	0.029
W mass content [%]												
Zr mass content [%]	0.17				0.050	0.11	0.16	0.105			0.0101	0.050

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

7xxx AlZn

	741/01	742/01	743/01	744/01	756	9151	9152	AS70/02
Si mass content [%]	0.31	0.15	0.10	0.21	0.128	(0.1)	(0.1)	0.157
Fe mass content [%]	0.40	0.30	0.15	0.50	0.105	(0.15)	(0.15)	0.291
Cu mass content [%]	0.10	0.050	0.10	0.051	0.0127	2.08	(1.5)	1.62
Mn mass content [%]	0.105	0.053	0.10	0.056	0.050	(0.05)	(0.05)	0.165
Mg mass content [%]	0.035	0.065	0.039	0.074	0.971	(2.5)	1.47	2.71
Cr mass content [%]	0.023	0.012	0.012	0.023	0.270	(0.2)	(0.2)	0.209
Ni mass content [%]	0.011	0.011	0.012	0.012	0.0093	(0.01)	(0.01)	0.031
Zn mass content [%]	0.805	1.29	1.79	2.77	5.79	(5.6)	(5.6)	5.53
Ti mass content [%]	0.027	0.016	0.016	0.028	0.0099	(0.02)	(0.02)	0.030
Ag mass content [%]								
As mass content [%]								
B mass content [%]								
Ba mass content [%]								
Be mass content [%]					0.0020	(0.003)	(0.003)	
Bi mass content [%]								
Ca mass content [%]								
Cd mass content [%]						(0.005)	(0.005)	
Ce mass content [%]								
Co mass content [%]								
Ga mass content [%]								
Hg mass content [%]								
In mass content [%]								
La mass content [%]								
Li mass content [%]								0.00092 - 0.001
Mo mass content [%]								
Na mass content [%]								0.0014 - 0.0018
P mass content [%]								
Pb mass content [%]					0.0089	(0.005)	(0.005)	0.011
Sb mass content [%]								
Sc mass content [%]								
Se mass content [%]								
Sn mass content [%]					0.0093	(0.005)	(0.005)	
Sr mass content [%]								
Ta mass content [%]								
Tl mass content [%]								
V mass content [%]						(0.005)	(0.005)	0.023
W mass content [%]								
Zr mass content [%]					0.1889			0.119

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	AlZn(Si)					
	4017	4018	4028	4029	822/01	873/01
Si mass content [%]	(0.73)	(0.74)	(0.7)	(0.72)	(0.08)	7.25
Fe mass content [%]	(1.24)	(1.02)	(0.62)	(0.79)	(0.09)	0.26
Cu mass content [%]	(0.0094)	(0.0069)	(0.0039)	(0.0039)	0.004	0.049
Mn mass content [%]	(0.0077)	(0.0231)	(0.1056)	(0.0552)	0.007	0.104
Mg mass content [%]					0.008	0.535
Cr mass content [%]	(0.0022)	(0.0019)	(0.0018)	(0.0002)	0.009	0.032
Ni mass content [%]					0.006	0.006
Zn mass content [%]					0.008	11.00
Ti mass content [%]					0.06	0.0154
Ag mass content [%]						
As mass content [%]	0.0257	0.0061	0.00032	0.0028		
B mass content [%]						
Ba mass content [%]						
Be mass content [%]						
Bi mass content [%]					0.043	
Ca mass content [%]						
Cd mass content [%]	0.0114	0.00252	<0.0001	0.00074		
Ce mass content [%]						
Co mass content [%]						
Ga mass content [%]						
Hg mass content [%]	0.00015	0.00077	0.0142	0.0030		
In mass content [%]						
La mass content [%]						
Li mass content [%]						
Mo mass content [%]						
Na mass content [%]						
P mass content [%]						
Pb mass content [%]	0.0121	0.00200	0.00021	0.00035		
Sb mass content [%]						
Sc mass content [%]						
Se mass content [%]						
Sn mass content [%]					0.10	
Sr mass content [%]						
Ta mass content [%]						
Tl mass content [%]						
V mass content [%]					0.011	
W mass content [%]						
Zr mass content [%]						

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	1xxx SUS				2xxx SUS				3xxx SUS	4xxx SUS		
	310	9630	RC10/02	RC11/07	9321	9632	RC20/01	RC20/02	9627	20001	2001	2150
Si mass content [%]	(0.16)	(0.1)	(<0.002)	(0.028)	(0.07)	(0.8)	(0.03)	(0.029)	(0.2)	(5.4)	(8.5)	(10.6)
Fe mass content [%]	(0.58)	(0.46)	(<0.001)	(0.046)	(0.13)	(0.32)	(0.05)	(0.061)	(0.57)	(0.48)	(0.7)	
Cu mass content [%]	(0.0037)	(0.062)	(<0.0002)	(0.015)	(4.2)	(4.1)	(6)	(6.0)	(0.13)	(3.1)	(2.9)	(0.6)
Mn mass content [%]	(0.0078)	(0.0123)	(<0.0002)	(0.016)	(0.02)	(0.71)	(0.3)	(0.24)	(1.06)	(0.22)	(0.23)	(0.4)
Mg mass content [%]	(0.0003)	(0.0006)	(<0.0003)	(0.018)	(0.27)	(0.48)	(0.2)	(0.29)	(0.0004)	(0.23)	(0.22)	(0.9)
Cr mass content [%]	(0.0028)	(0.0216)	(<0.0002)	(0.011)		(0.0181)			(0.0223)			(0.06)
Ni mass content [%]	(0.004)	(0.008)	(0.0002)	(0.010)	(0.01)		(1.5)	(1.45)	(0.001)	(0.03)	(0.05)	(0.5)
Zn mass content [%]	(0.017)	(0.054)	(<0.0005)	(0.020)	(0.04)	(0.033)	(0.3)	(0.24)	(0.057)	(0.14)	(0.13)	(1.2)
Ti mass content [%]	(0.004)	(0.018)	(0.0004)	(0.015)	(0.21)	(0.022)			(0.022)	(0.07)	(0.08)	(0.3)
Ag mass content [%]			(<0.0002)	(0.010)			(0.6)	(0.73)				(0.9)
As mass content [%]				(0.005)								
B mass content [%]			(<0.0002)									
Ba mass content [%]			(<0.0001)	(0.001)								
Be mass content [%]			(<0.0001)	(0.002)								
Bi mass content [%]			(<0.0002)	(0.010)			(0.4)	(0.38)				(0.02)
Ca mass content [%]			(<0.0001)	(0.0024)						(0.0033)	(0.002)	
Cd mass content [%]	(<0.0002)	(0.0002)	(<0.0002)	(0.0049)			(0.05)	(0.036)	(<0.0001)			
Ce mass content [%]				(0.003)								
Co mass content [%]			(<0.0002)	(0.012)			(0.5)	(0.44)				(0.04)
Ga mass content [%]			(<0.0002)	(0.021)								
Hg mass content [%]	(<0.00002)	(0.0001)		(0.005)					(0.0001)			
In mass content [%]			(<0.0002)	(0.010)								(0.06)
La mass content [%]				(0.012)								
Li mass content [%]	(0.00004)	(0.00007)	(<0.0001)	(0.0008)					(0.00002)			
Mo mass content [%]				(0.026)								(0.04)
Na mass content [%]	(<0.00002)	(0.00003)	(<0.0001)	(0.0015)	(<0.00002)				(<0.00002)	(0.00004)		
P mass content [%]			(<0.0005)	(0.0029)						(0.001)		
Pb mass content [%]	(0.0019)	(0.0035)	(<0.0003)	(0.015)	(0.001)	(0.0096)	(0.5)	(0.41)		(0.01)	(0.07)	(0.8)
Sb mass content [%]			(<0.0003)	(0.012)			(0.2)	(0.20)				
Sc mass content [%]				(0.010)								
Se mass content [%]												
Sn mass content [%]			(<0.0002)	(0.018)			(0.05)	(0.051)		(0.01)	(0.012)	(0.3)
Sr mass content [%]			(<0.0001)	(0.005)								(0.1)
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]			(<0.0002)	(0.017)								(0.02)
W mass content [%]				(0.0047)								
Zr mass content [%]			(<0.0002)	(0.015)		(0.033)	(0.2)	(0.17)	(0.01)			

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	4xxx SUS										5xxx SUS	
	9313	9326	9327	9415	9517	9520	9601	9809	RC40/02	RC41/01	10914	2004
Si mass content [%]	(8.8)	(12.8)	(12.8)	(11.7)	(6.4)	(6.6)	(17.3)	(5.5)	(13.2)	(5.9)	(0.9)	(1.1)
Fe mass content [%]	(0.1)	(0.15)	(0.15)	(0.53)	(0.48)	(0.1)	(0.43)	(0.5)	(1.19)	(0.4)	(0.2)	(0.11)
Cu mass content [%]	(0.003)	(0.01)	(0.01)	(1.24)	(2.8)	(0.012)	(1.21)		(1.03)	(5.1)	(0.3)	(0.08)
Mn mass content [%]	(0.005)	(0.005)	(0.005)	(0.12)	(0.25)	(0.005)	(0.12)			(0.5)		(0.07)
Mg mass content [%]	(0.32)	(0.003)	(0.003)	(1)	(0.3)	(0.34)	(1.09)		(1.09)	(0.09)	(1.2)	(6.1)
Cr mass content [%]										(0.03)		
Ni mass content [%]	(<0.002)	(0.003)	(0.003)	(0.86)	(0.02)	(0.003)	(1.1)	(1.9)		(0.02)		(0.07)
Zn mass content [%]	(0.01)	(0.01)	(0.01)	(0.07)	(0.2)	(0.017)	(0.07)		(6.03)	(1.3)		(7.7)
Ti mass content [%]	(0.12)	(0.006)	(0.006)	(0.02)	(0.13)	(0.12)	(0.08)		(0.20)	(0.03)	(0.05)	(0.06)
Ag mass content [%]												
As mass content [%]												
B mass content [%]												
Ba mass content [%]												
Be mass content [%]												(0.01)
Bi mass content [%]											(0.7)	
Ca mass content [%]	(0.0009)	(<0.0007)	(<0.0007)	(0.0006)	(0.009)	(0.0044)	(0.0026)		(0.0131)	(0.004)		(0.03)
Cd mass content [%]										(0.001)		(0.02)
Ce mass content [%]												
Co mass content [%]												
Ga mass content [%]										(0.01)		(0.03)
Hg mass content [%]												
In mass content [%]												
La mass content [%]												
Li mass content [%]												(0.01)
Mo mass content [%]												
Na mass content [%]	(<0.0004)	(<0.0004)	(<0.0004)	(0.00004)	(0.001)	(0.0005)	(0.0003)					(0.03)
P mass content [%]	(0.0011)	(0.0017)	(0.0017)	(0.0058)	(0.002)	(0.0009)	(0.0086)	(0.01)				
Pb mass content [%]	(<0.0004)	(0.001)	(0.001)	(0.01)	(0.02)	(<0.0001)	(0.006)		(0.10)	(0.02)	(0.8)	(0.04)
Sb mass content [%]	(<0.0003)	(<0.0003)	(<0.0003)	(0.01)	(0.01)	(<0.008)	(0.02)					
Sc mass content [%]									(0.20)			
Se mass content [%]												
Sn mass content [%]	(0.0004)	(0.0003)	(0.0003)	(0.01)	(0.01)	(0.0004)	(0.004)		(0.21)	(0.02)		(0.06)
Sr mass content [%]					(0.014)	(0.052)	(0.0058)		(0.14)	(0.02)		
Ta mass content [%]												
Tl mass content [%]												
V mass content [%]								(0.12)		(0.008)		
W mass content [%]												
Zr mass content [%]								(0.14)		(0.005)		(0.02)

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1

Reference Material catalog - Suisse Technology Partners Ltd.

	5xxx SUS							6xxx SUS	7xxx SUS	
	2004/1	2006	325	9324	9325	9614	RC50/02	RC60/02	9401	
Si mass content [%]	(1.1)	(1.2)	(0.1)	(0.11)	(0.11)	(0.08)	(0.5)	(1.34)	(0.04)	
Fe mass content [%]	(0.11)	(0.11)	(0.27)	(0.24)	(0.24)	(0.18)	(0.85)	(0.49)	(0.12)	
Cu mass content [%]	(0.08)	(0.07)	(0.003)	(0.0055)	(0.0069)	(0.043)	(0.003)	(0.29)	(1.58)	
Mn mass content [%]	(0.07)	(0.07)	(0.005)	(0.4)	(0.4)	(0.055)	(0.005)	(1.1)	(0.01)	
Mg mass content [%]	(6.1)	(6.2)	(0.74)	(4.28)	(4.33)	(2.28)	(4.5)	(0.92)	(2.29)	
Cr mass content [%]			(0.011)	(0.0007)	(0.0007)	(0.21)	(0.5)	(0.20)	(0.006)	
Ni mass content [%]	(0.06)	(0.06)	(<0.001)			(0.01)	(0.5)	(0.10)	(0.007)	
Zn mass content [%]	(7.7)	(7.8)	(0.021)	(0.014)	(0.014)	(0.051)	(0.02)	(0.10)	(5.84)	
Ti mass content [%]	(0.06)	(0.06)	(0.01)	(0.005)	(0.005)	(0.019)		(0.21)	(0.032)	
Ag mass content [%]										
As mass content [%]										
B mass content [%]			(0.0007)				(0.005)			
Ba mass content [%]							(0.02)			
Be mass content [%]	(0.01)	(0.01)		(0.0001)	(0.0001)		(0.005)			
Bi mass content [%]								(0.10)		
Ca mass content [%]	(0.03)	(0.03)	(0.0011)	(0.0003)	(0.0003)	(0.0009)	(0.02)			
Cd mass content [%]	(0.02)	(0.01)		(<0.0001)	(<0.0001)	(0.0001)	(0.2)			
Ce mass content [%]							(0.1)			
Co mass content [%]										
Ga mass content [%]	(0.03)	(0.03)					(0.03)	(0.011)		
Hg mass content [%]						(0.0004)				
In mass content [%]							(0.05)			
La mass content [%]							(0.1)			
Li mass content [%]	(0.01)	(0.01)					(0.003)			
Mo mass content [%]							(0.03)			
Na mass content [%]	(0.03)	(0.02)	(0.0001)	(<0.00002)	(<0.00002)	(0.00006)	(0.004)		(<0.00002)	
P mass content [%]							(0.005)	(0.0045)		
Pb mass content [%]	(0.04)	(0.04)	(0.001)	(0.007)	(0.007)	(0.0057)				
Sb mass content [%]							(0.05)			
Sc mass content [%]										
Se mass content [%]										
Sn mass content [%]	(0.06)	(0.06)					(0.3)			
Sr mass content [%]							(0.02)			
Ta mass content [%]										
Tl mass content [%]										
V mass content [%]			(0.006)				(0.01)	(0.11)		
W mass content [%]							(0.04)			
Zr mass content [%]	(0.02)	(0.02)	(0.0005)			(0.02)	(0.01)		(0.13)	

- values in brackets are not certified

- for values indicated as a range, exact values for individual samples can be given in a S-Certificate

Date: 15.04.2021

Product Catalog v2.1