

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 |
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| 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.

" We recommend Suisse Technology Partners (Alusuisse) samples to our customers in Italy, because we rely on the quality and accuracy of their products. Once you used them you will always rely on them."

Davide D'Oria, CEO
SLS Analytical Srl

SLS Analytical
Scientific Line Service

- Campioni standards internazionali certificati
- Vendita strumenti nuovi e ricondizionati
- Accessori per la preparazione dei campioni

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 |

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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) | | | | | | | |

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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 | | | |

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Product Catalog v2.1

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| | 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 |

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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 |

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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 |

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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 | | | | | | | | |

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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 | | | | |

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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 | | | | | | | | |

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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

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| | 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 |

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| | 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

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| | 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 [%] | | | | | | | | | | | | |

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| | 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 [%] | | | | | | | | | | | | |

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| | 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 |

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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

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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 | | | | | | | |

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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 |

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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 |

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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 | | |

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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 |

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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 |

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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 [%] | | | | | | |

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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) |

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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) | |

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