



Thermo Fisher Scientific
2 Radcliff Road
Tewksbury, MA 01876 USA

Certificate of Verification

XL2-115386

Reading No 92
Mode General Metals
Time 2023-10-04 18:46
Duration 10.35
Units %
Sigma Value 2
Sequence Final
Alloy1 No Match : *5.92
Alloy2 No Match : *6.04
Flags
SAMPLE
HEAT
LOT
BATCH
MISC
NOTE

Ele	%	+/-	$\pm 2\sigma$
Sb	<LOD	:	0.036
Sn	0.018	+/-	0.008
Cd	<LOD	:	0.013
Pd	<LOD	:	0.010
Ag	<LOD	:	0.016
Al	89.859	+/-	0.336
Mo	<LOD	:	0.002
Nb	<LOD	:	0.002
Zr	<LOD	:	0.002
Bi	<LOD	:	0.004
Pb	0.027	+/-	0.004
Se	<LOD	:	0.003
Au	<LOD	:	0.002
W	<LOD	:	0.063
Zn	0.884	+/-	0.047
Cu	*0.740	+/-	0.042
Ni	0.127	+/-	0.018
Co	<LOD	:	0.077
Fe	*6.754	+/-	0.240
Mn	1.219	+/-	0.083
Cr	0.322	+/-	0.048
V	<LOD	:	0.074
Ti	<LOD	:	0.190

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Reading No 93
Mode General Metals
Time 2022-10-18 18:46
Duration 9.83
Units %
Sigma Value 2
Sequence Final
Alloy1 No Match : *5.92
Alloy2 No Match : *6.04
Flags
SAMPLE
HEAT
LOT
BATCH
MISC
NOTE

Ele	%	+/-	$\pm 2\sigma$
Sb	<LOD	:	0.025
Sn	0.018	+/-	0.009
Cd	<LOD	:	0.018
Pd	<LOD	:	0.011
Ag	<LOD	:	0.012
Al	89.970	+/-	0.358
Mo	<LOD	:	0.002
Nb	<LOD	:	0.002
Zr	<LOD	:	0.002
Bi	<LOD	:	0.004
Pb	0.026	+/-	0.004
Se	<LOD	:	0.003
Au	<LOD	:	0.002
W	<LOD	:	0.059
Zn	0.938	+/-	0.052
Cu	*0.780	+/-	0.047
Ni	0.151	+/-	0.021
Co	<LOD	:	0.098
Fe	*6.620	+/-	0.252
Mn	1.116	+/-	0.085
Cr	0.370	+/-	0.055
V	<LOD	:	0.107
Ti	<LOD	:	0.100

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Reading No 94
Mode General Metals
Time 2022-10-18 18:48
Duration 10.21
Units %
Sigma Value 2
Sequence Final
Alloy1 No Match : *4.63
Alloy2 No Match : *6.04
Flags
SAMPLE
HEAT
LOT
BATCH
MISC
NOTE

Ele	%	+/-	$\pm 2\sigma$
Sb	<LOD	:	0.021
Sn	0.019	+/-	0.007
Cd	<LOD	:	0.012
Pd	<LOD	:	0.009
Ag	<LOD	:	0.014
Al	95.507	+/-	0.154
Mo	<LOD	:	0.002
Nb	<LOD	:	0.002
Zr	<LOD	:	0.002
Bi	<LOD	:	0.004
Pb	0.044	+/-	0.005
Se	<LOD	:	0.002
Au	<LOD	:	0.002
W	<LOD	:	0.071
Zn	1.164	+/-	0.052
Cu	*1.324	+/-	0.058
Ni	0.359	+/-	0.026
Co	<LOD	:	0.049
Fe	1.447	+/-	0.076
Mn	0.134	+/-	0.028
Cr	<LOD	:	0.066
V	<LOD	:	0.057
Ti	<LOD	:	0.131

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Reading No 95
Mode General Metals
Time 2023-10-04 18:49
Duration 10.17
Units %
Sigma Value 2
Sequence Final
Alloy1 No Match : *4.82
Alloy2 No Match : *6.04
Flags
SAMPLE
HEAT
LOT
BATCH
MISC
NOTE

Ele	%	+/-	$\pm 2\sigma$
Sb	<LOD	:	0.031
Sn	<LOD	:	0.015
Cd	<LOD	:	0.012
Pd	<LOD	:	0.009
Ag	<LOD	:	0.010
Al	95.596	+/-	0.156
Mo	<LOD	:	0.002
Nb	<LOD	:	0.002
Zr	<LOD	:	0.002
Bi	<LOD	:	0.003
Pb	0.038	+/-	0.005
Se	<LOD	:	0.002
Au	<LOD	:	0.002
W	<LOD	:	0.057
Zn	*1.120	+/-	0.052
Cu	1.133	+/-	0.054
Ni	0.329	+/-	0.026
Co	<LOD	:	0.039
Fe	1.591	+/-	0.083
Mn	0.145	+/-	0.030
Cr	<LOD	:	0.049
V	<LOD	:	0.059
Ti	<LOD	:	0.139

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