

Elemental Microanalysis Limited

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**Certificate of Analysis
Part No. B2759
Stainless Steel Chip Standard**

Certificate Number 734509306
Page 1 of 1

% Carbon
Mean = 0.204
One Sigma = 0.002
Two Sigma = 0.004
Range = 0.200 to 0.208

% Sulphur
Mean = 0.0284
One Sigma = 0.0007
Two Sigma = +/- 0.0014
Range = 0.0272 to 0.0296

PPM Nitrogen
Mean = 91 PPM
One Sigma = 2 PPM
Two Sigma = 4 PPM
Range = 87 to 94 PPM

Method of analysis is ASTM E 1019-08, ARI 033 and ARI 034

Primary Standards employed:

NIST SRM	100B, 11H, 163, 50c, 1091a, 368
BAM	284-2, 027-1, 035-1
JSS	030-7, 602-9, GS-5d, 102-6
NCS	NS13016, NS11011, HC11001
BCS	456/1
IPT	73

Notes

The mean analytical values were derived by data sets (n=50) showing by various instrumentation meeting ASTM E1019-08. The precision values represent the standard deviation, two times the standard deviation (k=2, 95% confidence), and complete range of analyses.

The material used in production of this standard was identified in accordance with ARI 032. The samples used for round robin testing were selected in accordance with ARI 014. The above values relate only to the material used to produce this standard.

Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Elemental Microanalysis Ltd be liable for incidental or consequential damages.

This is a Certified Reference Standard (CRM), and is traceable the above-mentioned references. For good laboratory practice, it is recommended that all standards be verified prior to use.

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Certified May 28, 2009