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Certificate of Analysis**Part No. B2633****Hydrogen in Steel Pin Standard**

Certificate Number 112904
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Total Hydrogen

Mean Value = 7.3 PPM
One Sigma Deviation = 0.3 PPM
Two Sigma Deviation = 0.6 PPM
Range = 6.7 – 7.9 PPM

Method of analysis:

1. Thermal Conductivity by Induction
2. Thermal Conductivity by Inert Gas Fusion

**Primary Standards Employed:
Gas Dosing**

JSS SS-5-18
NCS NS20002

Notes

The mean analytical values were derived by a number of data sets utilizing various ASTM approved instruments.

The precision values represent the standard deviation, two times the standard deviation, and complete range of analysis.

The material used in production of this standard was sampled 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 material (CRM) and is traceable to the above-mentioned standards. For good laboratory practice it is recommended that all standards be verified before use.

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Certified February 2005