Alpha Resources, Inc.
Certificate Of Analysis

AR 892
STAINLESS STEEL PIN STANDARD
LOT # 409303A10

% CARBON	% SULFUR
MEAN = 0.0055	MEAN = 0.0021
ONE SIGMA = 0.0008	ONE SIGMA = 0.0002
TWO SIGMA = 0.0016	TWO SIGMA = 0.0004
RANGE = 0.0039 to 0.0071	RANGE = 0.0016 to 0.0026

Method of Analysis is ASTM E 1019-08 and ARI 033

Primary Standards Employed:

NIST	2165, 348, 131c, 2159
JSS	244-5
NCS	HC24521, HC11001, HC20504
BAM	289-1

Notes:

The mean analytical values were derived by a number of data sets (n=40). The precision values represent the standard deviation, two times the standard deviation (k=2, 95%confidence), and complete range of analysis. When necessary, professional judgment is applied toward consideration of data and statistical information. The statistical analysis and the overall direction and coordination of the analytical measurements leading to certification were performed by K.E. Dyer at Alpha Resources.

The material used in production of this standard was sampled in accordance with ARI 032. The samples 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 Alpha Resources 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 prior to use.

This calibration standard is accredited and meets the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation board. Alpha Resources is an ISO/IEC 17025 accredited laboratory. For more information concerning our scope of accreditation contact Alpha Resources.

Certified October, 2010

Kent Dyer

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