

Alpha Resources, Inc. Certificate Of Analysis

AR 888

STAINLESS STEEL PIN STANDARD

LOT # 535018901

% CARBON
MEAN = 0.079
ONE SIGMA = 0.002
TWO SIGMA = 0.004
RANGE = 0.075 – 0.083

% SULFUR
MEAN = 0.235
ONE SIGMA = 0.005
TWO SIGMA = 0.010
RANGE = 0.225 – 0.245

Method of Analysis is combustion / IR detection
ASTM E 1019 sections 9 through 19

Standards Employed:

NIST SRM 345a, 15h, 8j, 129c
BCS 464, 265/3,

Notes:

The mean value reported is from a number of data sets acquired by different analysts over different days using ASTM approved instruments.

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

The statistical analysis of the certification was performed by K.E. Dyer at Alpha Resources.

The overall direction and coordination of the analytical measurements leading to certification were performed by K.E. Dyer at Alpha Resources.

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.

Certified October, 2001



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Page 1 Of 1