

# Alpha Resources, Inc. Certificate Of Analysis

AR 892

STAINLESS STEEL PIN STANDARD

LOT # 303618

**% CARBON**  
**MEAN = 0.0033**  
**ONE SIGMA = 0.0008**  
**TWO SIGMA = 0.0016**  
**RANGE = 0.0017 – 0.0049**

**% SULFUR**  
**MEAN = 0.0026**  
**ONE SIGMA = 0.0006**  
**TWO SIGMA = 0.0012**  
**RANGE = 0.0014 – 0.0038**

Method of Analysis  
ASTM E 1019 (Latest Revision)

Standards Employed:  
NIST SRM 2159, 2165, 131c, 343a  
BCS CRM 260/4  
NCS CRM 20504

Notes:

The mean analytical values were derived by a number of data sets provided by different analysts utilizing 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 November, 2000

