

Alpha Resources, Inc. Certificate Of Analysis

AR 510

CARBON AND SULFUR STEEL PIN STANDARD

LOT # 10V9396

% CARBON = 2.50 +/- 0.04

% SULFUR = 0.074 +/- 0.004

Method of Analysis is Combustion IR Detection
ASTM E 1019 (Latest Revision)

The mean analytical values were derived by a number of data sets provided by separate ASTM approved instruments over a number of days.

The precision values represent two times the standard deviation obtained by the data sets provided.

Primary Standards Employed were:

NIST 8j, 341
German 228-1

Notes:

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, 1996

