

Alpha Resources, Inc.

Certificate Of Analysis

AR 885

CARBON STEEL PIN STANDARD

LOT # 88593301

% CARBON
MEAN = 0.805
ONE SIGMA = 0.006
TWO SIGMA = 0.012
RANGE = 0.793 – 0.817

% SULFUR
MEAN = 0.022
ONE SIGMA = 0.001
TWO SIGMA = 0.002
RANGE = 0.020 – 0.024

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

Primary Standards Employed:

NIST SRM	14e, 2160, 155, 134a
JSS CRM	150-14
BCS CRM	161/3, 215/3
BAM CRM	079-1, 227-1

Notes:

The mean analytical values were derived by a number of data sets obtained over different days by different analysts using ASTM approved instruments.

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

The statistical analysis, 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 product has an indefinite shelf life.

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 April, 2001

