

Alpha Resources, Inc. Certificate Of Analysis

AR 885

CARBON STEEL PIN STANDARD

LOT # 33626A97

% CARBON
MEAN = 0.808
ONE SIGMA = 0.008
TWO SIGMA = 0.016
RANGE = 0.793 – 0.823

% SULFUR
MEAN = 0.006
ONE SIGMA = 0.001
TWO SIGMA = 0.002
RANGE = 0.0042 – 0.0078

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

NIST Standards Employed:

SRM 134a	SRM 2160
SRM 363	SRM 153a
SRM 16F	SRM 155

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 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.

Certified May, 1998

