

Alpha Resources, Inc. Certificate Of Analysis

AR 310

IRON STANDARD

LOT # 71801

% CARBON
MEAN = 3.38
ONE SIGMA = 0.04
TWO SIGMA = 0.08
RANGE = 3.30 – 3.46

% SULFUR
MEAN = 0.090
ONE SIGMA = 0.003
TWO SIGMA = 0.006
RANGE = 0.084 – 0.096

Method of Analysis is ASTM E 1019
(Latest Revision)

The certified mean values were derived by a number of data sets provided by different analysts over separate days.

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

Primary Standards Employed were:

NIST	107c, 4L
CTIF	FB-12, FB 10-1
NCS	56005, 16011
JSS	111-12

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 secondary standards be verified prior to use.

Certified August, 2001

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