

Alpha Resources, Inc. Certificate Of Analysis

AR 870

ALPHA RESOURCES RING STANDARD

LOT # 711920W

% CARBON
MEAN = 0.028
ONE SIGMA = 0.002
TWO SIGMA = 0.004
RANGE = 0.024 – 0.032

% SULFUR
MEAN = 0.0143
ONE SIGMA = 0.0009
TWO SIGMA = 0.0018
RANGE = 0.0130 – 0.0158

Method of Analysis is ASTM E 1019
(Latest Revision)

Primary Standards Employed:

NIST 125b, 367, 2159, 16f, 14g
German BAM-035

Notes:

The mean analytical values were derived by a number of data sets utilizing various 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 should be verified, prior to use, against a primary standard material provided by a governing agency such as N.I.S.T., when available.

Certified February, 1998

