

Alpha Resources, Inc. Certificate Of Analysis

AR 876

ALPHA RESOURCES RING STANDARD

LOT # T39074299

% CARBON
MEAN = 0.546
ONE SIGMA = 0.004
TWO SIGMA = 0.008
RANGE = 0.538 – 0.554

% SULFUR
MEAN = 0.0082
ONE SIGMA = 0.0006
TWO SIGMA = 0.0012
RANGE = 0.0070 – 0.0094

Method of Analysis is ASTM E 1019-94

Primary Standards Employed:

NIST 11h, 12h, 13g, 30b, 32b, 33a, 50, 50c, 73c,
106b, 152a, 161, 168, 367
BAS 306

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. When necessary, professional judgment is applied toward consideration of data and statistical information.

The statistical analysis and 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 November, 1999



Page 1 of 1

P.O. Box 199 3090 Johnson Road Stevensville, MI 49127 USA Phone (269) 465-5559 Fax (269) 465-3629

www.alpharesources.com

Page 1 Of 1