

Alpha Resources, Inc. Certificate Of Analysis

ALPHA RESOURCES RING STANDARD

AR 878

LOT A26076899

%CARBON	%SULFUR
MEAN = 0.272%	MEAN = 0.020
ONE SIGMA = 0.004	ONE SIGMA = 0.001
TWO SIGMA = 0.008	TWO SIGMA = 0.002
RANGE = 0.264 - 0.280	RANGE = 0.018 - 0.022

METHOD OF ANALYSIS IS ASTM E-1019 (LATEST REVISION)
COMBUSTION/IR DETECTION

PRIMARY STANDARDS EMPLOYED WERE:
NIST SRM 11h, 12h, 13g, 50c, 367, 168, 161
NIST SRM 106b, 32b, 152a, 33a, 50, 30b, 73c
BAS CRM 306

NOTES:

The mean analytical values were derived by a number of data sets by various ASTM approved instruments.

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

The statistical analysis and overall coordination leading to certification was performed by K.E. Dyer at Alpha Resources.

This is a secondary reference standard material, and should be verified prior to use against a primary standard provided by a governing agency such as NIST.

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 NOVEMBER, 1999



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