

Alpha Resources, Inc. Certificate Of Analysis

AR 307

TUNGSTEN CARBIDE STANDARD

LOT # 071700

% CARBON
MEAN = 6.16
ONE SIGMA = 0.03
TWO SIGMA = 0.06
RANGE = 6.10 - 6.24

% SULFUR
MEAN = 0.006
ONE SIGMA = 0.001
TWO SIGMA = 0.002
RANGE = 0.004 - 0.008

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

The statistical data was derived by a number of analyses provided by separate instruments over different days.

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

Primary Standards Employed were:

NIST	68c
JSS	102-6

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 standards be verified prior to use.

Certified October, 2000

