

# Alpha Resources, Inc. Certificate Of Analysis

AR-1700

COAL STANDARD

LOT # 700606      LID ID 700606

DRIED BASIS VALUE

WEIGHT PERCENT SULFUR      =      0.27  
STANDARD DEVIATION            =      0.03

The certified mean values were statistically derived from the values reported to Alpha Resources through Round Robin.

Method  
ASTM D 4239

This Certified Reference Material was traced to N.I.S.T. SRM 1635

Notes:

Normal ASTM procedures should be employed when using this standard. This includes using the *reproducibility* and *repeatability* factors. Use the reproducibility factor when establishing the first set of data, and then establish an internal repeatability factor as your guideline.

The statistical analysis and overall coordination leading to certification was performed by J.R. Shingledecker at Alpha Resources.

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.

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.

EXPIRATION DATE

**THIS CRM IS VALID FOR TWO YEARS FROM THE DATE OF PURCHASE WHICH  
APPEARS ON THE BOTTLE**

*J.R. Shingledecker*