

# Alpha Resources, Inc. Certificate Of Analysis

AR-1702

COAL STANDARD

LOT# 781001      LID# 781001

DRIED BASIS VALUE

WEIGHT PERCENT SULFUR      =      0.64  
STANDARD DEVIATION            =      0.03

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

METHOD:  
ASTM D 4239-02 Method C

This Certified Reference Material was traced to N.I.S.T. SRM 1635, 2683b, and 2692b.

The material used in production of this standard was sampled in accordance with ARI 031. The above values relate only to the material used to produce this standard.

The overall direction and coordination of the analytical measurements leading to certification was performed by J.R. Shingledecker 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). For good laboratory practice it is recommended that all standards be verified prior to use.

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

*J.R. Shingledecker*