

# Alpha Resources, Inc. Certificate Of Analysis

AR1911

COAL STANDARD

LOT #911JRC15 LID ID 911499

DRIED BASIS VALUE

WEIGHT PERCENT CHLORINE = 0.1713  
STANDARD DEVIATION = 0.0213

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

Methods  
ASTM D 4208  
ASTM D 2013

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 D.M. Reasons 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 should be verified, prior to use, against a primary standard material provided by a governing agency such as N.I.S.T., when available.

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

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