

# Alpha Resources, Inc. Certificate Of Analysis

AR-1720

COAL STANDARD

LOT #720100 LID ID 720100

DRIED BASIS VALUE

MEAN WEIGHT % SULFUR	=	0.29
STANDARD DEVIATION	=	0.04
MEAN WEIGHT % ASH	=	5.898
STANDARD DEVIATION	=	0.192
MEAN WEIGHT % VOL. MATTER	=	42.74
STANDARD DEVIATION	=	0.81
BTU	=	12,054
STANDARD DEVIATION	=	70
FIXED CARBON	=	51.54

Methods Employed:

SULFUR	ASTM	D 4239 METHOD C
ASH	ASTM	D 3174
VOL. MATTER	ASTM	D 3175
BTU	ASTM	D 3286

Notes:

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

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.

EXPIRATION DATE

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

