

# Alpha Resources, Inc. Certificate Of Analysis

AR 733

## PROXIMATE COKE STANDARD

LOT # 733899 LID ID 733899

### DRIED BASIS VALUE

MEAN WEIGHT % SULFUR	=	0.67
STANDARD DEVIATION	=	0.02
MEAN WEIGHT % ASH	=	8.52
STANDARD DEVIATION	=	0.20
MEAN WEIGHT % VOL. MATTER	=	0.60
STANDARD DEVIATION	=	0.23
BTU	=	12,489
STANDARD DEVIATION	=	152
FIXED CARBON	=	90.88

#### Methods Employed:

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

#### Notes:

This Certified Reference Material was traced to N.I.S.T SRM 2775

The BTU values are provisional, and will decrease in time due to oxidation and or degradation.

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**

