

# Alpha Resources, Inc. Certificate Of Analysis

## MINERAL ANALYSIS STANDARD

AR-2758

LOT# 380 LID # 700000

### MINERAL ANALYSIS OF ASH

MINERAL COMPOUND	% WEIGHT (IGNITED BASIS)
SILICON DIOXIDE.....	37.99
ALUMINUM DIOXIDE.....	17.90
TITANIUM DIOXIDE.....	0.75
FERRIC OXIDE.....	23.54
CALCIUM OXIDE.....	8.87
MAGNESIUM OXIDE.....	0.77
MANGANESE OXIDE.....	0.04
POTASSIUM OXIDE.....	1.79
SODIUM OXIDE.....	0.66
SULFUR TRIOXIDE.....	7.10
PHOSPHORUS PENTOXIDE.....	0.50
STRONTIUM OXIDE.....	0.05
BARIUM OXIDE.....	0.04
UNDETERMINED.....	0.00

The ash content of the whole coal was 12.20%.

Methods  
ASTM D 3682  
ASTM D 3174  
ASTM D 2795

#### Notes:

The statistical, overall direction and coordination of the analytical measurements leading to certification were 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**



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