

# Alpha Resources, Inc. Certificate Of Analysis

AR2893

## RESIDUAL OIL STANDARD

LOT # 893100

LID ID 893100

WEIGHT PERCENT SULFUR = 0.2961  
STANDARD DEVIATION = 0.0335

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

Methods  
ASTM D 4294  
ASTM D 2622

This Certified Reference Material was traced to N.I.S.T. SRM 1624c

### Notes:

Before use, the contents of the bottle should be mixed through vigorous shaking. The contents should not be exposed to air for a lengthy period of time.

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 of the certification was performed by D.M. Reasons at Alpha Resources.

The 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**

