

# Alpha Resources, Inc. Certificate Of Analysis

AR2043

## CRUDE OIL STANDARD

LOT #0431296

LID ID 431296

WEIGHT PERCENT SULFUR = 0.211  
STANDARD DEVIATION = 0.024

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

Method  
ASTM D 4294

Notes:

Traced to N.I.S.T. SRM 1617a

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**



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