

# Alpha Resources, Inc.

## Certificate Of Analysis

SULFUR IN GASOLINE

AR-3005

LOT# 005809

LID# 005809

WEIGHT PERCENT SULFUR = 0.0510

STANDARD DEVIATION= 0.0046

Methods used: ASTM D 5453, D 2622

This standard was produced gravimetrically using high purity materials with balances calibrated and checked by precision NIST traceable weights. The precision value represents the expanded degree of uncertainty based on errors from analytical data provided by the above methods, and weighing of raw materials at a 95% confidence level ( $k=2$ ). When necessary, professional judgment is applied toward consideration of data and statistical information. The statistical analysis and the overall direction and coordination of the analytical measurements leading to certification were performed by K.E. Dyer at Alpha Resources. Normal ASTM procedures should be employed when using this standard. This includes using the *reproducibility* and *repeatability* factors for the ASTM method you wish to employ.

### Notes:

The raw material used for the production of this standard was verified by ASTM D7042 and traced to NIST 1818a.

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. Keep tightly sealed and store promptly in a refrigerator.

This is a prepared, and analytically verified Certified Reference Material (CRM). For good laboratory practice it is recommended that all standards be verified prior to use. 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 ONE YEAR FROM THE DATE OF OPENING

CERTIFIED August 26, 2009

