

Alpha Resources, Inc.

Certificate Of Analysis

SULFUR IN ISO-OCTANE

AR-3101

LOT# 101310

LID# 101310

PARTS PER MILLION SULFUR = 0.9
STANDARD DEVIATION= 0.3

Method used: ASTM D 5453

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 method, 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:

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 in an upright position.

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 April 13, 2010

