

Alpha Resources, Inc. Certificate Of Analysis

AR-3503

LUBE OIL STANDARD

LOT #031008

LID # 031008

WEIGHT PERCENT SULFUR	=	4.00
STANDARD DEVIATION	=	0.20
WEIGHT PERCENT CHLORINE	=	7.00
STANDARD DEVIATION	=	0.35

High Purity Materials used:
Ditertiary Butyl Disulfide 99.88%
Chlorobenzene 99.9%

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 assay 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:

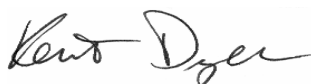
Before use, the contents of the bottle should be mixed through vigorous shaking. The contents should not be exposed to air for a lengthy period of time.

This is a prepared Reference Material (RM), 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 RM IS VALID FOR TWO YEARS FROM THE DATE OF OPENING

October 15, 2008



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