

Alpha Resources, Inc.

Certificate Of Analysis

AR-3501

SULFUR & CHLORINE LUBE OIL STANDARD

LOT # 501213

LID # 501213

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

High Purity Materials used:

T-Butyl Disulfide 99.88%

Chlorinated Paraffin

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 bottle contains 100ml lube oil to be used as per your test method. Keep sealed and store under normal laboratory conditions. Unopened this RM has an indefinite shelf life. This certificate is valid for 2 years after opening. This certificate cannot be reproduced except in full.

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

May 14, 2014

