ALPHA RESOURCES LLC Value Beyond Measure

Product Information Sheet

BIO-DIESEL CONTAMINATE IN #2 DIESEL

AR-2986
LOT # 986522
LID # 986522

WEIGHT PERCENT BIO-DIESEL (FAME) = 1.00
EXPANDED UNCERTAINTY = ± 0.02

This RM is intended for the identification or detection of FAME Bio-Diesel in #2 Diesel fuel by IR or other valid test methods. 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 leading to certification were performed by K.E. Dyer Chief Chemist at Alpha Resources. Normal testing procedures should be employed when using this standard. This includes using the *reproducibility* and *repeatability* factors for the specific test method you wish to employ.

Notes:

The raw materials used for the production of this standard are #2 petroleum diesel (0.05% max sulfur, yellow dye, bio-diesel free) and B-100 (fatty acid methyl ester, FAME). Refer to your instrument manufacturer or test method for minimum and typical sample size needed for analysis.

Before use, the contents of the bottle should be mixed through gentle shaking. The contents should not be exposed to air for a lengthy period of time. Keep sealed and store upright under normal laboratory conditions. This bottle contains 59ml or approximately 2 ounces to be used per your test method.

This is a prepared Reference Material (RM), for good laboratory practice it is recommended that all standards be verified as fit for purpose 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.

Reported values are valid for two years from the date of release.

Released February 13, 2023
Dustin Jenkins, Ph.D.
Global Technical Director