

### Analytical Results

% Sulfur = 1.02

Expanded Uncertainty =  $\pm 0.03$   
( $k=2$ , @95% confidence limit,  $n=30$ )

NMI Reference Material(s) Used: NIST 1819a-V

**Method used for analysis: ASTM D 4294-21**

*\*The analytical results above are provided by an accredited reference material manufacturer with a current certification in ISO 17025 and 17034.*

The intended use of this Reference Material (RM) is for the calibration and verification of sulfur analysis in lube oil or similar materials by XRF or other valid testing methods.

Sample size and minimum sample size may be contingent upon your test method or instrumentation manufacturer recommendations. The sample size used for testing was placed into a removable sample cup, equipped with replaceable X-ray transparent plastic film, and providing a sample depth of at least 4mm and a diameter of at least 10mm.

The Period of Validity for this RM is not able to be determined and should be reviewed 20 years after the date below. Once opened, this certificate is valid for 2 years.

This bottle contains 100ml of gravimetrically produced lube oil reference material to be used per the test method you follow. Keep sealed tightly and store under normal laboratory conditions. Mix well before use by vigorous shaking.

Refer to your test methods and or manufacturer manual for expanded uncertainties, repeatability/reproducibility factors.

For good laboratory practice, we recommend that all reference materials 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 Elemental Microanalysis Ltd. be liable for incidental or consequential damages.

Certified on the 10<sup>th</sup> of October 2023.

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