

Product No.: 041751

Sulfur in Residual Oil Standard

Concentration: $3500 \pm 35 \mu\text{g/g}$

Element: Sulfur

Lot No.: 1507897

Matrix: Residual Oil

Expiry Date: May 31, 2027

This solution is intended for use in the determination of total sulfur in residual oil. The certified concentration is based upon gravimetric procedures, i.e., weight per weight composition of high purity n-dibutyl sulfide in residual oil. The uncertainty associated with the certified concentration is approximated by summing the estimated errors due to the purity of the raw material, the gravimetric preparation of the solution, and transpiration of the solution through the container wall.

NIST Traceability: All balances are calibrated regularly in accordance with NIST recommended procedures. The sulfur concentration in both the residual oil and the di-n-butyl sulfide was certified by ASTM Method D2622 using NIST SRM 2717a.

Shelf Life: Thermo Fisher Scientific guarantees the accuracy of this Specpure® solution until the expiry date shown above, provided it is kept tightly capped and stored under normal laboratory conditions. We recommend preparing fresh working solutions daily by diluting with the same matrix and using certified class A volumetrics.

11/18/2024

Certification Date

Order our products online thermofisher.com/chemicals

This document has been electronically generated and does not require a signature.

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.