

Standards for Low-Level Sulfur Analysis

Mercaptan Sulfur (S) Standard

Product #: VHG-UOP163-30-6X20

Matrix: 80% wt. Isooctane/20% wt. Toluene

Lot #: 710455900B

Element	Concentration and Uncertainty		
S	Certified W/W	30.5 PPM WT.	+/- 2% relative

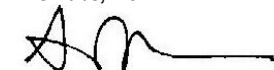
This calibration standard is intended for use in determination of inflection points during the potentiometric titration of mercaptan sulfur in hydrocarbon liquids, in accordance with ASTM Method D3227.

Certification: This standard was prepared from tert-nonyl mercaptan to a nominal concentration of 30.0 µg/g utilizing gravimetric methods. The certified concentration is based upon the actual assayed concentration of the raw material and all gravimetric procedures used in the preparation of this certified standard. The uncertainty associated with each certified concentration is +/- 2% relative, which is the sum of the estimated errors due to the assay and purity of the raw material, and the gravimetric preparation of the solution. This standard is NIST traceable by weight.

Tools: The balance used to weigh materials used in the preparation of this standard is calibrated regularly using mass standards, which are traceable to NIST.

Recommendations: VHG guarantees the accuracy of this solution for **12 Months** from the certification date shown below, provided it is stored under normal laboratory conditions in the original container. Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transfer-ware, (2) never pour used product back into the original container.

VHG Labs, Inc.



Q.A. Manager

See Exp. Date On Container
Certification Date

VHG Labs, Inc. waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.