



Certificate of Analysis

Oil & Grease QC Standard

Part #: 50-003-HT

Certified Concentrations: **Hexadecane - 4.0 mg/mL; Stearic Acid - 4.0 mg/mL**

Matrix: Acetone

Lot #: 1127514

This solution is intended for use as a spiking solution for oil & grease analysis by U.S. EPA method 1664. It was prepared gravimetrically to contain 8.0 mg of oil & grease per mL of solution. The certified value is based upon gravimetric procedures, ie., weight per volume composition of 99.5% stearic acid and 99.5% pure hexadecane dissolved in 99.5% pure acetone. The uncertainty associated with the certified concentrations are $\pm 0.25\%$ relative.

Traceability: The balance used to weigh the raw materials is calibrated regularly using mass standards, which are traceable to NIST. In order to verify the concentration, the final solution was checked gravimetrically in accordance with U.S. EPA method 1664.

Recommendations: Biotage guarantees the accuracy of this solution until the expiration date shown below, provided it is kept tightly capped and stored under normal laboratory conditions.

Instructions for use: See the application note entitled "Oil & Grease Standard Preparation for Solid Phase Extraction" for proper use of this standard.

A handwritten signature in black ink that reads "Chuck Gordon".

Q. A. Manager

Expires: March 2, 2023