

## Certificate of Analysis

Date of Testing: 2025-02-12 09:13:58  
 Date of Next Testing: 2027-02-12 09:13:58  
 Product Name: **Dimethyldioctadecylammonium bromide**  
 CAS Number: 3700-67-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E2304181  
 SKU #: **D130818**  
 Version: **0**  
 Analysis #: **469850**  
 Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	98-102 (%)	101.50 %
Carbon by Elemental Analysis	70.5-74.1 (%)	72.30 %
Melting point	154-162 (°C)	158.80000 °C
Nitrogen by Elemental Analysis	1.9-2.5 (%)	2.30 %
Appearance (D130818)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Light Yellow Clear to Hazy(100mg/ml)	pass	Pass



John Su  
QA & QC Manager