

Certificate of Analysis

Date of Testing: 2025-06-27 12:37:19
Date of Next Testing: 2027-06-27 12:37:19
Product Name: **Dimethyldioctadecylammonium bromide**
CAS Number: 3700-67-2
Specifications & Purity: $\geq 98\%$
Lot #: F2526676
SKU #: **D130818**
Version: **0**
Analysis #: **503848**
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	98-102 (%)	99.05 %
Carbon by Elemental Analysis	70.5-74.1 (%)	72.55 %
Melting point	154-162 (°C)	157.00000 °C
Nitrogen by Elemental Analysis	1.9-2.5 (%)	2.26 %
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