

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-12 11:46:40
 Date of Next Testing: 2026-09-12 11:46:40
 Product Name: **Dimethyldioctadecylammonium bromide**
 CAS Number: 3700-67-2
 Specifications & Purity: $\geq 98\%$
 Lot #: I2406170
 SKU #: **D130818**
 Version: **0**
 Analysis #: **213412**
 Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	98-102 (%)	101.56000 %
Carbon by Elemental Analysis	70.5-74.1 (%)	72.32300 %
Melting point	154-162 (°C)	158.86000 °C
Nitrogen by Elemental Analysis	1.9-2.5 (%)	2.36900 %
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