

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-10 17:54:41

Date of Next Testing: 2025-05-09 17:54:41

Product Name: **Dimethyldioctadecylammonium bromide**

CAS Number: 3700-67-2

Specifications & Purity: $\geq 98\%$

Lot #: E2304186

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