

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-23 16:05:33

Date of Next Testing: 2026-02-22 16:05:33

Product Name: **Benzyldimethyldodecylammonium chloride**

CAS Number: 139-07-1

Specifications & Purity: $\geq 99\%$

Lot #: D1820129

SKU #: **B100950**

Version: **2**

Analysis #: **077233**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	72.1-74.2 (%)	74.00000 %
Nitrogen by Elemental Analysis (anhydrous)	3.8-4.2 (%)	3.85490 %
Purity(Titration by AgNO3)	99-101 (%)	99.15000 %
Water by Karl Fischer	8-11 (%)	9.72420 %
Melting point	42-46 (°C)	42.09000 °C
Purity(HPLC)	99-100 (%)	99.03000 %
Appearance (B100950)	Colorless to White to Yellow powder or crystals	Colorless to White to Yellow powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O,Clear 1g/10ml	Pass	Pass



John Su
QA & QC Manager