

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-02 15:34:14
 Date of Next Testing: 2026-04-01 15:34:14
 Product Name: **Benzyldimethyldodecylammonium chloride**
 CAS Number: 139-07-1
 Specifications & Purity: $\geq 99\%$
 Lot #: E1818087
 SKU #: **B100950**
 Version: **2**
 Analysis #: **086156**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	72.1-74.2 (%)	72.90000 %
Nitrogen by Elemental Analysis (anhydrous)	3.8-4.2 (%)	3.90000 %
Purity(Titration by AgNO ₃)	99-101 (%)	99.20000 %
Water by Karl Fischer	8-11 (%)	9.20000 %
Melting point	42-46 (°C)	43.40000 °C
Purity(HPLC)	99-100 (%)	99.90000 %
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 H ₂ O, Clear 1g/10ml	Pass	Pass



John Su
QA & QC Manager