

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-16 10:26:07
Date of Next Testing: 2025-10-05 10:26:07
Product Name: **Hexadecyl trimethyl ammonium bromide**
CAS Number: 57-09-0
Specifications & Purity: 99%
Lot #: A2218475
SKU #: **H108983**
Analysis: **285432**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO3)	99-101 (%)	100.20 %
Insoluble matter	0-0.1 (%)	0.02 %
Lead(Pb)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.01 %
Sulfate(SO42-)	0-0.05 (%)	0.03 %
Water by Karl Fischer	0-0.5 (%)	0.36 %
Melting point	248-251 (°C)	250.40000 °C
Appearance (H108983)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless to Faint Yellow, Clear,0.1 M	pass	Pass



John Su
QA & QC Manager