

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-01-12 18:14:47
Date of Next Testing:	2025-01-01 18:14:47
Product Name:	Hexadecyl trimethyl ammonium bromide
CAS Number:	57-09-0
Specifications & Purity:	99%
Lot #:	A2310385
SKU #	H108983
Version	0
Analysis #:	159541
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO3)	99-101 (%)	100.82 %
Insoluble matter	0-0.1 (%)	0.04 %
Lead(Pb)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00 %
Sulfate(SO42-)	0-0.05 (%)	0.01 %
Water by Karl Fischer	0-0.5 (%)	0.14 %
Melting point	248-251 (°C)	250.98000 °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, pass Clear,0.1 M		Pass



John Su
QA & QC Manager