

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-25 17:40:00  
 Date of Next Testing: 2026-06-15 17:40:00  
 Product Name: **Hexadecyl trimethyl ammonium bromide**  
 CAS Number: 57-09-0  
 Specifications & Purity: 99%  
 Lot #: F2414250  
 SKU #: **H108983**  
 Version: **0**  
 Analysis #: **363454**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Insoluble matter	0-0.1 (%)	0.01 %
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 (%)	0.04 %
Melting point	248-251 (°C)	249.80000 °C
Purity(Titration by AgNO3)	99-101 (%)	100.95 %
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