

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-21 14:54:08  
 Date of Next Testing: 2026-11-11 14:54:08  
 Product Name: **Hexadecyl trimethyl ammonium bromide**  
 CAS Number: 57-09-0  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: K2418284  
 SKU #: **H108983**  
 Version: **0**  
 Analysis #: **430082**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Insoluble matter	0-0.1 (%)	0.00 %
Lead(Pb)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.09 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.05 (%)	0.01 %
Purity(Titration by AgNO <sub>3</sub> )	99-101 (%)	100.95 %
Water by Karl Fischer	0-0.5 (%)	0.24 %
Melting point	248-251 (°C)	250.52000 °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 H <sub>2</sub> O , Colorless to Faint Yellow, pass Clear,0.1 M		Pass



John Su  
QA & QC Manager