

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-04 19:18:52  
 Date of Next Testing: 2024-10-24 19:18:52  
 Product Name: **Hexadecyl trimethyl ammonium bromide**  
 CAS Number: 57-09-0  
 Specifications & Purity: 99%  
 Lot #: K2203217  
 SKU #: **H108983**  
**Analysis:** **061586**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Insoluble matter	0-0.1 (%)	0.06 %
Lead(Pb)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.09 %
Sulfate(SO42-)	0-0.05 (%)	0.01 %
Water by Karl Fischer	0-0.5 (%)	0.43 %
Melting point	248-251 (°C)	250.64000 °C
Purity(Titration by AgNO3)	99-101 (%)	100.60 %
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