

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-26 16:07:13
 Date of Next Testing: 2026-11-16 16:07:13
 Product Name: **Hexadecyl trimethyl ammonium bromide**
 CAS Number: 57-09-0
 Specifications & Purity: $\geq 99\%$
 Lot #: K2426168
 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 ₄ ²⁻)	0-0.05 (%)	0.01 %
Purity(Titration by AgNO ₃)	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 ₂ O , Colorless to Faint Yellow, pass Clear,0.1 M		Pass



John Su
QA & QC Manager