

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-30 14:06:50
Date of Next Testing: 2026-07-20 14:06:50
Product Name: **Hexadecyl trimethyl ammonium bromide**
CAS Number: 57-09-0
Specifications & Purity: 99%
Lot #: G2424457
SKU #: **H108983**
Version: **0**
Analysis #: **373852**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|---|---|
| Insoluble matter | 0-0.1 (%) | 0.03 % |
| 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 % |
| Melting point | 248-251 (°C) | 250.30000 °C |
| Purity(Titration by AgNO3) | 99-101 (%) | 100.95 % |
| Water by Karl Fischer | 0-0.5 (%) | 0.25 % |
| 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