

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-23 15:13:49
 Date of Next Testing: 2028-06-12 15:13:49
 Product Name: **Hexadecyl trimethyl ammonium bromide(CTAB)**
 CAS Number: 57-09-0
 Specifications & Purity: $\geq 99\%$
 Lot #: F2602346
 SKU #: **H108983**
 Version: **0**
 Analysis #: **682664**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter | Limit Values | Result |
|---|---|---|
| Insoluble matter | 0-0.1 (%) | 0.00000 % |
| Lead(Pb) | 0-0.005 (%) | 0.00000 % |
| Iron(Fe) | 0-0.005 (%) | 0.00000 % |
| Ignition Residue (as sulfate) | 0-0.1 (%) | 0.00000 % |
| Sulfate(SO42-) | 0-0.05 (%) | 0.00450 % |
| Melting point | 248-251 (°C) | 250.90000 °C |
| Purity(Titration by AgNO3) | 99-101 (%) | 100.95000 % |
| Water by Karl Fischer | 0-0.5 (%) | 0.08020 % |
| 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