

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-11 10:47:39
Date of Next Testing: 2025-09-30 10:47:39
Product Name: **Dodecyltrimethylammonium bromide(DTAB)**
CAS Number: 1119-94-4
Specifications & Purity: $\geq 99\%$
Lot #: A2203428
SKU #: **D105301**
Version: **1**
Analysis #: **283870**
Storage Temperature: Room temperature, Argon charged

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| Carbon by Elemental Analysis | 57.5-58.8 (%) | 58.30000 % |
| Purity(Titration by AgNO ₃) | 99-100 (%) | 99.00200 % |
| Appearance (D105301) | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml) | pass | Pass |



John Su
QA & QC Manager