

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-23 13:06:57
Date of Next Testing: 2029-10-22 13:06:57
Product Name: **Dodecyltrimethylammonium chloride (DTAC)**
CAS Number: 112-00-5
Specifications & Purity: $\geq 99\%$
Lot #: J2521500
SKU #: **D105295**
Version: **1**
Analysis #: **585625**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|--|--|
| Free amine (As DDA) | 0-0.3 (%) | 0.00% |
| Water by Karl Fischer | 0-3 (%) | 0.53% |
| PH(5% in water) | 4-7.5 | 4.00 |
| Purity (Argentmetric Titration) | 98.5-101.5 (%) | 101.48 % |
| Appearance (D105295) | White to Light Yellow Powder or Solid or chunks | White to Light Yellow Powder or Solid or chunks |
| Solubility in H ₂ O , Colorless solution 0.5G/10MLwater | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager