

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-24 09:29:42  
 Date of Next Testing: 2029-07-23 09:29:42  
 Product Name: **Stearyl Trimethyl Ammonium Chloride**  
 CAS Number: 112-03-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: G2518073  
 SKU #: **S105314**  
 Version: **0**  
 Analysis #: **456540**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                                         | Limit Values                            | Result                                  |
|---------------------------------------------------|-----------------------------------------|-----------------------------------------|
| PH(20 °C, 0.05% in Water)                         | 5.5-8.5                                 | 5.56000                                 |
| UV Absorbance 280nm(0.05 % in H <sub>2</sub> O)   | 0-0.04                                  | 0.01800                                 |
| UV Absorbance 260nm(0.05 % in H <sub>2</sub> O)   | 0-0.06                                  | 0.02000                                 |
| UV Absorbance 340nm(0.05 % in H <sub>2</sub> O)   | 0-0.02                                  | 0.01100                                 |
| UV Absorbance 225nm A(0.05 % in H <sub>2</sub> O) | 0-0.08                                  | 0.03800                                 |
| Purity(Titration by AgNO <sub>3</sub> )           | 97.5-102.5 (%)                          | 102.19900 %                             |
| Appearance (S105314)                              | White to Light Beige Powder or Crystals | White to Light Beige Powder or Crystals |
| Infrared spectrum                                 | Conforms to Structure                   | Conforms to Structure                   |
| Proton NMR spectrum                               | Conforms to Structure                   | Conforms to Structure                   |
| Solubility in hot H <sub>2</sub> O                | almost transparency                     | almost transparency                     |



John Su  
QA & QC Manager