

Certificate of Analysis

Date of Testing: 2024-05-29 09:18:39
Date of Next Testing: 2028-05-28 09:18:39
Product Name: **Stearyl Trimethyl Ammonium Chloride**
CAS Number: 112-03-8
Specifications & Purity: 98%
Lot #: E2427335
SKU #: **S105314**
Version: **0**
Analysis #: **358294**
Storage Temperature: Room temperature, Desiccated

| Parameter | Limit Values | Result |
|---|---|---|
| PH(20 °C, 0.05% in Water) | 5.5-8.5 | 5.60 |
| UV Absorbance 280nm(0.05 % in H ₂ O) | 0-0.04 | 0.03 |
| UV Absorbance 260nm(0.05 % in H ₂ O) | 0-0.06 | 0.03 |
| UV Absorbance 340nm(0.05 % in H ₂ O) | 0-0.02 | 0.02 |
| UV Absorbance 225nm A(0.05 % in H ₂ O) | 0-0.08 | 0.01 |
| Purity(Titration by AgNO ₃) | 97.5-102.5 (%) | 102.45 % |
| 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 ₂ O | almost transparency | almost transparency |



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