

Certificate of Analysis

Date of Testing: 2022-10-12 16:28:31
 Date of Next Testing: 2026-10-11 16:28:31
 Product Name: **Stearyl Trimethyl Ammonium Chloride**
 CAS Number: 112-03-8
 Specifications & Purity: 98%
 Lot #: J2211041
 SKU #: **S105314**
Analysis: **116007**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
PH(20 °C, 0.05% in Water)	5.5-8.5	6.72
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	101.21 %
UV Absorbance 280nm(0.05 % in H ₂ O)	0-0.04	0.01
UV Absorbance 260nm(0.05 % in H ₂ O)	0-0.06	0.02
UV Absorbance 340nm(0.05 % in H ₂ O)	0-0.02	0.01
UV Absorbance 225nm A(0.05 % in H ₂ O)	0-0.08	0.03
Appearance (S105314)	White to Light Beige Powder or Crystals	White to Light Beige Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O	almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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