

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-18 16:07:20

Date of Next Testing: 2029-07-17 16:07:20

Product Name: **Dodecyltrimethylammonium chloride**

CAS Number: 112-00-5

Specifications & Purity: for ion pair chromatography, ≥99%

Lot #: J2111563

SKU #: **D105297**

Version: **0**

Analysis #: **543470**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Free amine and amine salts	0-0.1 (%)	0.02500 %
Water by Karl Fischer	0-0.5 (%)	0.08900 %
Heavy metals	0-5 (ppm)	0.30000 ppm
pH	6-8	6.10000
UV Absorbance 254nm	0-0.04	0.02000
UV Absorbance 230nm	0-0.07	0.05100
Ignition Residue	0-0.1 (%)	0.00000 %
Purity(Titration by AgNO ₃)	99-100.5 (%)	100.20000 %
UV Absorbance 400nm	0-0.02	0.00256
UV Absorbance 210nm	0-0.2	0.19010
Appearance (D105297)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility(5%,w/v aq.Solution)	almost transparency	almost transparency
Ultraviolet absorption conditions	0.1M in water	0.1M in water



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager