

Certificate of Analysis

Date of Testing: 2025-07-16 10:07:44

Date of Next Testing: 2029-07-15 10:07:44

Product Name: **Dodecyltrimethylammonium chloride (DTAC)**

CAS Number: 112-00-5

Specifications & Purity: $\geq 99\%$

Lot #: J2109345

SKU #: **D105295**

Version: **1**

Analysis #: **540651**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
PH(5% in water)	4-7.5	6.30
Free amine (As DDA)	0-0.3 (%)	0.01 %
Purity (Argentmetric Titration)	98.5-101.5 (%)	99.20 %
Water by Karl Fischer	0-3 (%)	1.90 %
Appearance (D105295)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless solution 0.5G/10MLwater	pass	Pass



John Su
QA & QC Manager