

## Certificate of Analysis

Date of Testing: 2024-09-21 17:18:13  
Date of Next Testing: 2028-09-20 17:18:13  
Product Name: **(3-Chloro-2-hydroxypropyl)trimethylammonium Chloride**  
CAS Number: 3327-22-8  
Specifications & Purity: 60 wt. % in H<sub>2</sub>O  
Lot #: I2414512  
SKU #: **C120679**  
Version: **2**  
Analysis #: **392974**

Parameter	Limit Values	Result
PH(5% in water,25°C)	4.8-6.4	5.21
Purity(Titration by HCl)	58-70 (%)	69.95 %
Water by Karl Fischer	30-40 (%)	30.46 %
Appearance (C120679)	Colorless liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager