



CERTIFICATE OF ANALYSIS

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1. Identification

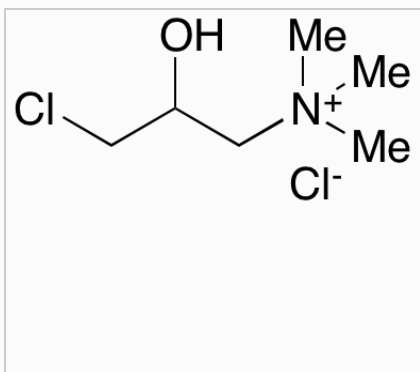
Catalogue Number: C368085

CAS Number: 3327-22-8

Product: 3-Chloro-2-hydroxypropyltrimethyl Ammonium Chloride (60% in Water)

Synonym: (2-Hydroxy-3-chloropropyl)trimethylammonium chloride; (3-Chloro-2-hydroxypropyl)-N,N,N-trimethylammonium chloride; 1-Chloro-2-hydroxypropane-3-trimethylammonium chloride; 1-Chloro-3-(trimethylammonio)-2-propanol chloride; 1-Chloro-3-trimethylammonium-2-propanol chloride; COPA 60S; CR 2000; CR 2000 (fixative); Catiomaster C; Catiomaster C 60; Cation Master C; Dextrosil; Dextrosil KA; Dowquat 188; N-(3-Chloro-2-hydroxypropyl)-N,N,N-trimethylammonium chloride; NSC 51216; NT 21; QUAB; QUAB 188; QU

Structure:



Molecular Formula:

C₆H₁₅Cl₂NO

Molecular weight:

188.1

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Sparingly)

Lot Number: 11-MWC-181-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Solution	Clear Colourless Solution
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 27.28, %H: 9.03, %N: 5.78
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	0.0° (Neat)
HPLC Purity	Report Result	100.00% (ELSD)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	1/31/2022	1/29/2026
				