



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

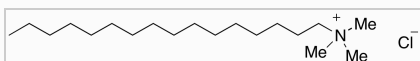
Catalogue Number: C281495

CAS Number: 112-02-7

Synonym: N,N,N-Trimethyl-1-hexadecanaminium; Hexadecyltrimethylammonium Chloride; 1631CL; Adogen 444; Adogen 444-29; Aliquat 1529; Aliquat 6; Ammonyx CETAC 25; Ammonyx Cetac; Ammonyx Cetac 30; Arquad 16; Arquad 16-25; Arquad 16-25LO; Arquad 16-25W; Arquad 16-26; Arquad 16-29; Arquad 16-29W; Arquad 16-50; BP 40; Barquat CT 29; C 16TAC; CA 2350; CETAC; CTAC; CTAC 1; CTAC 30KC; CTACL; CTMA; Carsoquat CT 425; Carsoquat CT 429; Catinal CTC 70ET; Catiogen TMP; Catiogen TMR; Cation PB 300; Cation PB 40; Cationi

Product: Cetrimonium Chloride

Structure:



Molecular Formula:

$C_{19}H_{42}N \cdot Cl$

Molecular weight:

284.54 + 35.45

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly), Water
(Slightly)

Lot Number: 1-SYQ-158-1

Purity: 97%

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

Storage Condition: 20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	Off-White to Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 69.43, %H: 13.26, %N: 4.37
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.87% (ELSD)

Additional Information: Elemental Analysis: (Theoretical) %C: 71.31, %H: 13.23, %N: 4.38

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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
Eric Beaton	Toni Rantanen	My Nguyen	6/2/2020	5/31/2027
				