



CERTIFICATE OF ANALYSIS

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1. Identification

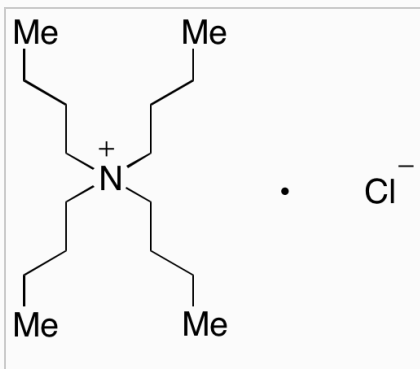
Catalogue Number: T291225

CAS Number: 1112-67-0

Product: Tetrabutylammonium Chloride

Synonym: N,N,N-Tributyl-1-butanaminium Chloride;
N,N,N-Tributyl-1-butanaminium Chloride;
TBAC; TBAC 100; Tetra-n-butylammonium Chloride

Structure:



Molecular Formula:

C₁₆H₃₆ClN

Molecular weight:

277.92

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Soluble), Methanol (Slightly)

Lot Number: 21-SBL-89-1

Purity: 98%

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

Storage Condition: 20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 65.87, %H: 13.05, %N: 4.86
Chloride Content	Report Result	12.4%
Appearance	White to Off-White Low-Melting Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (ELSD)
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Water Content	Report Result	~4.9% based on Elemental Analysis

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 $\pm 2\%$. 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
Henry Tieu	Toni Rantanen	Chanell Chu	3/8/2022	3/6/2026