

## 1. Identification

### Catalogue Number

H293860

### Lot Number

712080879-2-1

### Product Name

Hexadecyltrimethylammonium Bromide

### Synonyms

N,N,N-Trimethyl-1-hexadecanaminium Bromide; BCTA; Bromat; CTABr; CTMAB; CTMB; Cetrionium Bromide; Cetyltrimethylammonium Bromide; Cirrasol OD; HDTMA-Br; HTAB; Lauroseptol; Lissolamine; Lissolamine A; Micol; N,N,N-Trimethylhexadecan-1-ammonium Bromide; N,N,N-Trimethylhexadecylammonium bromide; N-Cetyl-N,N,N-trimethylammonium Bromide; N-

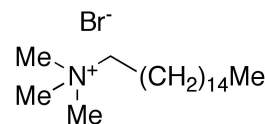
### CAS Number

57-09-0

### Solubility

Chloroform (Slightly), Methanol (Slightly)

### Structure



### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>19</sub>H<sub>42</sub>BrN

### Source of Product

N/A

### Long Term Storage Conditions

4°C, Hygroscopic

### Molecular Weight

364.46

### Purity

>95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information



<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 62.74, %H: 11.69, %N: 3.89
HPLC Purity	>95%	99.92% (ELSD)
MS	Conforms to Structure	Conforms
Bromide Content	Report Result	20.5%

### 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			9/24/2024	9/22/2028
Farnaz Mahmoudi	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		