

Cetyl trimethyl ammonium bromide

Meets USP-NF testing specifications

Product Code: TC555U

Product Description :

Molecular weight : 364.45

Molecular formula : $C_{19}H_{42}BrN$

CAS No.: 57-09-0

Quality Control:

Appearance

White to creamy white voluminous free flowing powder

Solubility

Freely soluble in water and in alcohol, Practically insoluble in ether

Identification A (UV)

≤ 0.05 (at 260 - 280 nm)

Identification B

A sample solution shows a more intense greenish-blue colour than the blank

Identification C

The solution froths copiously when shaken

Identification D (TLC)

The principal spot of the sample solution is similar in position, colour, and size to that of the standard solution

Identification E (Bromide)

A solution of it meets the requirements

Appearance of solution

Solution is clear and colourless.

Acidity or alkalinity

≤ 0.1 mL

Residue on ignition

$\leq 0.50\%$

Limit of amines & amine salt

≤ 2.0 mL

Loss on drying

$\leq 2.00\%$

Assay (KIO₃ Titration on dry basis)

96.00 -101.00%

Microbial Enumeration Test (TAMC)

≤ 100 CFU/g

Microbial Enumeration Test (TYMC)

≤ 10 CFU/g

Storage and Shelf Life:

Store below 30°C.

Shelf life is 48 months.

Use before expiry date given on the product label.

Revision : 04/2023

Disclaimer :

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