

Status: Currently Official on 16-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-6230C927-E5D4-4338-B0D5-B0B23D1AEEDC_1_en-US
DOI: https://doi.org/10.31003/USPNF_R1550_01_01
DOI Ref: [exo7q](#)

© 2025 USPC
Do not distribute

Tetramethylammonium Hydroxide Solution in Methanol

CAS RN[®]: 75-59-2.—A solution in methanol of tetramethylammonium hydroxide $[(\text{CH}_3)_4\text{NOH}-91.15]$. Is generally available in concentrations of 10% and 25%. The following specifications apply specifically to the 25% concentration; for other concentrations, appropriate adjustments in the procedures may be necessary.

Assay: Accurately weigh about 1 g of the solution, and dilute with water to about 50 mL. Add phenolphthalein TS, and titrate with 0.1 N hydrochloric acid VS to the disappearance of the pink color: each mL of 0.1 N hydrochloric acid VS is equivalent to 91.15 mg of $(\text{CH}_3)_4\text{NOH}$.

Between 23% and 25% is found.

Clarity: A portion of it in a test tube is clear, or only slightly turbid, when viewed transversely.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION IN METHANOL	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocID: [GUID-6230C927-E5D4-4338-B0D5-B0B23D1AEEDC_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R1550_01_01

DOI ref: [exo7q](#)

