

Status: Currently Official on 16-Feb-2025
 Official Date: Official Prior to 2013
 Document Type: Reagents
 DocId: GUID-9E8DD2FC-55C9-4A4D-8E0A-E55D4B46693C_1_en-US
 DOI: https://doi.org/10.31003/USPNF_R2194_01_01
 DOI Ref: 276i6

© 2025 USPC
 Do not distribute

Methylamine, 40 Percent in Water,

CH₅N 31.06 CAS RN[®]: 74-89-5.—Colorless liquid.

Assay: Using a syringe, transfer about 0.5 mL of a well-shaken specimen to 100 mL of water at a point below the surface of the water. Determine the weight of the specimen by weighing the syringe before and after the transfer. Mix, and titrate with 0.5 N hydrochloric acid VS, determining the endpoint potentiometrically, using a silver-silver chloride pH electrode and a calomel reference electrode. Perform a blank determination, and make any necessary correction. Each mL of 0.5 N hydrochloric acid is equivalent to 15.53 mg of CH₅N: between 39.0% and 41.0% is found.

REFRACTIVE INDEX (831): between 1.3680 and 1.3710, at 20°.

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

Topic/Question	Contact	Expert Committee
METHYLAMINE, 40 PERCENT IN WATER	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocId: [GUID-9E8DD2FC-55C9-4A4D-8E0A-E55D4B46693C_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R2194_01_01

DOI ref: [276i6](#)