

Status: Currently Official on 16-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-5BE36E21-BEDE-443F-8406-8A71C5BA0989_1_en-US
DOI: https://doi.org/10.31003/USPNF_R2291_01_01
DOI Ref: bh4xg

© 2025 USPC
Do not distribute

2-Phenoxyethanol,

$C_6H_5OCH_2CH_2OH$ 138.16 CAS RN[®]: 122-99-6.—Colorless, slightly viscous liquid. Soluble in water. Miscible with alcohol, with acetone, and with glycerin. Density: about 1.107.

Assay: To 2 g, accurately weighed, add 10 mL of a freshly prepared solution made by dissolving 25 g of acetic anhydride in 100 g of anhydrous pyridine. Swirl to mix the liquids, heat on a steam bath for 45 minutes, add 10 mL of water, heat for 2 additional minutes, and cool. Add 10 mL of normal butyl alcohol, shake vigorously, add phenolphthalein TS, and titrate with 1 N sodium hydroxide VS. Perform a blank test using the same quantities of the same reagents, and in the same manner, and make any necessary correction. Each mL of 1 N sodium hydroxide is equivalent to 138.2 mg of $C_8H_{10}O_2$. Not less than 99% is found.

Phenol: Add 0.2 mL of it to 20 mL of water, mix, and to 5 mL of the mixture add 0.2 mL of Millon's reagent. Warm the solution at 60° for 90 seconds, and allow to stand: no pink or red color is produced within 1 minute.

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

Topic/Question	Contact	Expert Committee
2-PHENOXYETHANOL	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocID: [GUID-5BE36E21-BEDE-443F-8406-8A71C5BA0989_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R2291_01_01

DOI ref: [bh4xg](#)