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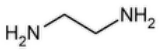
Ethylenediamine



$C_2H_8N_2$ 60.10

1,2-Ethanediamine.

Ethylenediamine CAS RN®: 107-15-3; UNII: 60V9STC53F.

» Ethylenediamine contains not less than 98.0 percent and not more than 100.5 percent, by weight, of $C_2H_8N_2$.

[**Caution—**Use care in handling Ethylenediamine because of its caustic nature and the irritating properties of its vapor.]

[Note—Ethylenediamine is strongly alkaline and may readily absorb carbon dioxide from the air to form a nonvolatile carbonate. Protect Ethylenediamine against undue exposure to the atmosphere.]

Packaging and storage—Preserve in well-filled, tight, glass containers.

Identification—To 2 mL of cupric sulfate solution (1 in 100) add 3 drops of a solution of Ethylenediamine (1 in 6), and shake: a purplish blue color is produced.

Assay—Weigh accurately about 1 mL of Ethylenediamine in a tared, glass-stoppered flask containing about 25 mL of water. Dilute with water to about 75 mL, add a mixed indicator of bromocresol green TS and methyl red TS (5 in 6), mix, and titrate with 1 N hydrochloric acid VS. Perform a blank determination, and make any necessary correction. Each mL of 1 N hydrochloric acid is equivalent to 30.05 mg of $C_2H_8N_2$.

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
ETHYLENEDIAMINE	Documentary Standards Support	SM32020 Small Molecules 3

Chromatographic Database Information: Chromatographic Database

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