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Tetraethylenepentamine,

$C_8H_{23}N_5$ 189.31 CAS RN[®]: 112-57-2.—Colorless liquid.

Assay: Inject an appropriate volume into a gas chromatograph (see [Chromatography \(621\)](#)), equipped with a flame-ionization detector, helium being used as the carrier gas. The following conditions have been found suitable: a 0.25-mm × 30-m capillary column coated with a 1- μ m layer of phase G2; the injection port temperature is maintained at 250°; the detector temperature is maintained at 300°; and the column temperature is maintained at 150° and programmed to rise 10° per minute to 280°. The area of the $C_8H_{23}N_5$ peak is not less than 30% of the total peak area.

REFRACTIVE INDEX (831): between 1.503 and 1.507 at 20°.

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

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

Most Recently Appeared In:

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