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Diethylenetriamine,

$C_4H_{13}N_3$ 103.17 CAS RN[®]: 111-40-0.—Colorless liquid.

Assay: Inject an appropriate specimen into a suitable 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 G2. The injection port temperature is maintained at 200°; the column temperature is maintained at 100° and programmed to rise 10° per minute to 250° and held there for 5 minutes; and the detector temperature is maintained at 300°. The area of the main peak is not less than 95% of the total peak area.

REFRACTIVE INDEX (831): between 1.4815 and 1.4845 at 20°.

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

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

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