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***N,N*-Diethylaniline,**

$C_6H_5N(C_2H_5)_2$ 149.23 CAS RN[®]: 91-66-7.—Light yellow to amber liquid.

Assay: Inject an appropriate specimen (about 0.2 μ L) into a suitable gas chromatograph (see [Chromatography \(621\)](#)) equipped with a flame-ionization detector, helium being used as the carrier gas flowing at about 40 mL per minute. The following conditions have been found suitable: a 3-mm \times 1.8-m stainless steel column containing 20% phase G16 on support S1A; the injection port temperature is maintained at 250°; the column temperature is maintained at 140° and programmed to rise 6° per minute to 200°. The detector temperature is maintained at 310°. The area of the *N,N*-diethylaniline peak having a retention time of about 4.9 minutes is not less than 99% of the total peak area.

REFRACTIVE INDEX (831): between 1.5405 and 1.5425 at 20°.

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

Topic/Question	Contact	Expert Committee
N,N-DIETHYLANILINE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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