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3-Chloroaniline,

C_6H_6ClN 127.57 CAS RN[®]: 108-42-9.—Colorless to light brown liquid. Soluble in acid and in most organic solvents; practically insoluble in water.

Assay: Inject an appropriate specimen 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_6H_6ClN peak is not less than 99% of the total peak area.

REFRACTIVE INDEX (831): between 1.592 and 1.596 at 20°.

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

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

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