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p-Xylene,

C_8H_{10} 106.17 CAS RN[®]: 106-42-3.—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 G14; the column temperature is maintained at 50° and programmed to rise 10° per minute to 100°; the injection port is maintained at 130°; and the detector is maintained at 300°. The area of the C_8H_{10} peak is not less than 99% of the total peak area.
- **REFRACTIVE INDEX (831):** between 1.493 and 1.497 at 20°.

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

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

Most Recently Appeared In:

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