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Guaiacol

(*o*-Methoxyphenol), $C_7H_8O_2$ 124.14 CAS RN[®]: 95-05-1.—Colorless to yellowish, refractive liquid. Soluble in about 65 parts of water; soluble in sodium hydroxide solution; miscible with alcohol, with chloroform, with ether, and with glacial acetic acid.

Assay: When examined by gas–liquid chromatography, it shows a purity of not less than 98%. The following conditions have been found suitable for assaying it: a 3-mm × 1.8-m stainless steel column containing liquid phase G16 on 60- to 80-mesh support S1A. Helium is the carrier gas, the injection port temperature is maintained at 180°, the column temperature is maintained at 200°, and the flame-ionization detector is maintained at 280°. The retention time is about 8 minutes.

REFRACTIVE INDEX (831): between 1.5430 and 1.5450, at 20°.

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

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

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