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tert-Butyl Methyl Ether,

$C_5H_{12}O$ 88.15 CAS RN®: 1634-04-4.—Colorless liquid.

- **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 100°; the detector temperature is maintained at 300°; and the column temperature is maintained at ambient temperature and programmed to rise 10° per minute to 150°. The area of the $C_5H_{12}O$ peak is not less than 99.8% of the total peak area.
- **REFRACTIVE INDEX (831):** between 1.367 and 1.371 at 20°.

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

Topic/Question	Contact	Expert Committee
TERT-BUTYL METHYL ETHER	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

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