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Isobutyl Acetate,

$C_6H_{12}O_2$ 116.16 CAS RN[®]: 110-19-0.—Clear, colorless liquid. Slightly soluble in water. Miscible with alcohol.

Assay: Inject an appropriate specimen into a suitable 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 G2. The injection port temperature is maintained at 130°; the column temperature is maintained at 30° and programmed to rise 10° per minute to 180° and held there for 10 minutes. The detector temperature is maintained at 300°. The area of the main peak is not less than 99% of the total peak area.

SPECIFIC GRAVITY (841): between 0.863 and 0.868.

REFRACTIVE INDEX (831): between 1.3900 and 1.3920 at 20°.

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

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

Most Recently Appeared In:

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