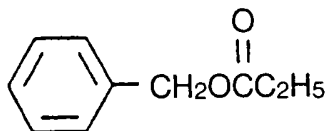


D. MONOGRAPHS

Benzyl Propionate



$C_{10}H_{12}O_2$

Mol. Wt. 164.20

Phenylmethyl propanoate

[122-63-4]

Content Benzyl Propionate contains not less than 98.0% of benzyl propionate ($C_{10}H_{12}O_2$).

Description Benzyl Propionate is a colorless, transparent liquid having a characteristic odor.

Identification (1) To 1 ml of Benzyl Propionate, add 5 ml of ethanolic 10% potassium hydroxide TS. Warm in hot water for 20 minutes. The characteristic odor disappears. Cool, and acidify with diluted sulfuric acid (1 : 20). An odor of propionic acid is evolved.

Purity (1) Refractive index n_D^{20} : 1.496 - 1.500.

(2) Specific gravity 1.032 - 1.036.

(3) Clarity of solution Clear (1.0 ml, 70% (vol) ethanol 5 ml).

(4) Acid value Not more than 1.0. (Flavoring Substances Tests).

(5) Halogenated compounds Proceed as directed under Halogenated Compounds in the Flavoring Substances Tests.

Assay Weigh accurately about 1 g of Benzyl Propionate, and proceed as directed under Ester Content in the Flavoring Substances Tests.

1 ml of 0.5 mol/l ethanolic potassium hydroxide = 82.10 mg of $C_{10}H_{12}O_2$