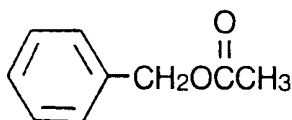


D. MONOGRAPHS

Benzyl Acetate



C₉H₁₀O₂

Mol. Wt. 150.18

Phenylmethyl acetate

[140-11-4]

Content Benzyl Acetate contains not less than 98.0% of benzyl acetate (C₉H₁₀O₂).

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

Identification To 1 ml of Benzyl Acetate, add 5 ml of ethanolic 10% potassium hydroxide TS. Warm in hot water for 20 minutes. The characteristic odor disappears. Cool, and add 8 ml of water and 1 ml of diluted hydrochloric acid (1 : 4). The solution responds to test (3) for Acetate as described in the Qualitative Tests.

Purity (1) Refractive index n_D^{20} : 1.501 - 1.504.

(2) Specific gravity 1.055 - 1.059.

(3) Clarity of solution Clear (2.0 ml, 70% (vol) ethanol 4.0 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 0.8 g of Benzyl Acetate, and proceed as directed under Ester Content in the Flavoring Substances Tests.

1 ml of 0.5 mol/l ethanolic potassium hydroxide = 75.09 mg of C₉H₁₀O₂