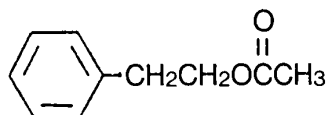


Phenethyl Acetate

Phenylethyl Acetate



$C_{10}H_{12}O_2$

Mol. Wt. 164.20

2-phenylethyl acetate

{ 103-45-7 }

Content Phenethyl Acetate contains not less than 98.0% of phenethyl acetate ($C_{10}H_{12}O_2$).

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

Identification (1) To 1 ml of Phenethyl Acetate, add 5 ml of ethanolic 10% potassium hydroxide TS, and heat with a reflux condenser in a water bath 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

(2) To 1 ml of Phenethyl Acetate, add 0.5 g of potassium hydroxide, and boil gently. An odor of styrene is evolved.

Purity (1) Refractive index n_D^{20} : 1.497 - 1.501.

(2) Specific gravity 1.033 - 1.037.

(3) Clarity of solution Clear (1.0 ml, 70% (vol) ethanol 2.0 ml).

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

Assay Weigh accurately about 1 g of Phenethyl Acetate, 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 $C_{10}H_{12}O_2$