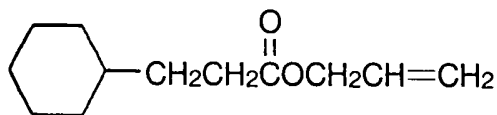


D. MONOGRAPHS

Allyl Cyclohexylpropionate



C₁₂H₂₀O₂

Mol. Wt. 196.29

2-propenyl 3-cyclohexylpropionate

[2705-87-5]

Content Allyl Cyclohexylpropionate contains not less than 98.0% of allyl cyclohexylpropionate (C₁₂H₂₀O₂).

Description Allyl Cyclohexylpropionate is a colorless to light yellow and transparent liquid having a characteristic odor.

Identification To 1 ml of Allyl Cyclohexylpropionate, add 5 ml of ethanolic 10% potassium hydroxide TS. Equip with a reflux condenser, and heat in a water bath for 30 minutes. The characteristic odor disappears, and an odor of allyl alcohol evolved.

Purity (1) Refractive index n_D^{20} : 1.457 - 1.462.

(2) Specific gravity 0.948 - 0.953.

(3) Clarity of solution Clear (1.0 ml, 80% (vol) ethanol 4.0 ml).

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

Assay Weigh accurately about 1.5 g of Allyl Cyclohexylpropionate, and proceed as directed under Ester Content in the Flavoring Substances Tests.

1 ml of 0.5 mol/l ethanolic potassium hydroxide = 98.14 mg of C₁₂H₂₀O₂