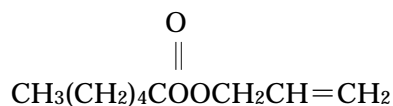


## D. MONOGRAPHS

### Allyl Hexanoate

Allyl Caproate



$\text{C}_9\text{H}_{16}\text{O}_2$

Mol. Wt. 156.22

2-propenyl hexanoate

[123-68-2]

**Content** Allyl Hexanoate contains not less than 98.0% of allyl hexanoate ( $\text{C}_9\text{H}_{16}\text{O}_2$ ).

**Description** Allyl Hexanoate is a colorless to light yellow and transparent liquid having a pineapple-like odor.

**Identification** Proceed as directed under the Liquid Film Method in Infrared Spectrophotometry. Compare the obtained spectrum with the Reference Spectrum of Allyl Hexanoate. Both spectra exhibit similar intensities of absorption at the same wave numbers.

**Purity** (1) Refractive index  $n_D^{20}$ : 1.422–1.426

(2) Specific gravity 0.887–0.893

(3) Clarity of solution Clear (1.0 ml, 70% (vol) ethanol 7 ml).

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

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

1 ml of 0.5 mol/l ethanolic potassium hydroxide = 78.11 mg of  $\text{C}_9\text{H}_{16}\text{O}_2$