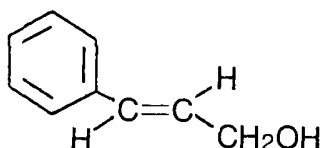


## D. MONOGRAPHS

### Cinnamyl Alcohol

Cinnamic Alcohol



$C_9H_{10}O$

Mol. Wt. 134.18

3-phenyl-2-propen-1-ol

[ 104-54-1 ]

**Content** Cinnamyl Alcohol contains not less than 98.0% of cinnamyl alcohol ( $C_9H_{10}O$ ).

**Description** Cinnamyl Alcohol is a colorless to light yellow liquid or occurs as white to light yellow crystalline lumps, having a characteristic odor.

**Identification** To 0.2 g of Cinnamyl Alcohol, add 5 ml of potassium permanganate solution (1 20) and 1 ml of diluted sulfuric acid (1 25). An odor of cinnamaldehyde is evolved.

**Purity** (1) Congealing point Not less than 31 .

(2) Clarity of solution Clear.

**Test Solution** Weigh 1.0 g of Cinnamyl Alcohol, add 3.0 ml of 50% (vol) ethanol, and dissolve by warming to 35 .

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

(4) Cinnamaldehyde Not more than 1.5% as cinnamaldehyde ( $C_9H_8O=132.16$ ).

Weigh accurately about 5 g of Cinnamyl Alcohol, and proceed as directed in Method 1 under Aldehyde and Ketone Content in the Flavoring Substances Tests. In the test, allow the mixture to stand for 15 minutes before titrating.

**Assay** Proceed as directed in Method 2 under Alcohol Content in the Flavoring Substances Tests, using 0.5 g of the sample.

1 ml of 0.5 mol/l ethanolic potassium hydroxide = 67.09 mg of  $C_9H_{10}O$