

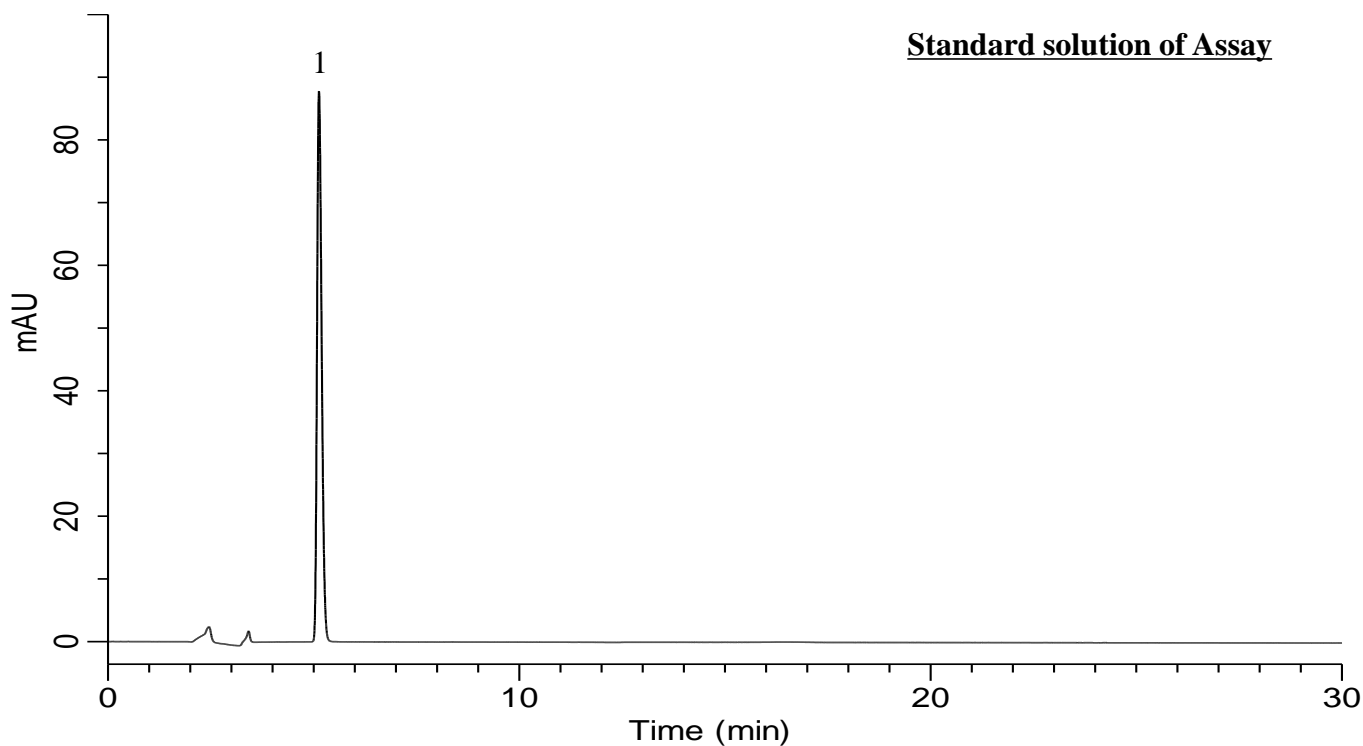
# InertSearch™ for LC

Inertsil™ Applications

## Analysis of Venlafaxine hydrochloride

(Under the Condition of USP41-NF36, Venlafaxine Tablets)

Data No. LB620-0812



Standard solution of Assay

### Conditions

**Column** : InertSustain C18 (5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07346  
**Eluent** : CH<sub>3</sub>CN/Buffer\* = 30/70  
**Flow rate** : 1.5 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 275 nm (UV7750 UV Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Venlafaxine hydrochloride 0.3 mg/mL

Symmetry factor of (1) : 1.31(< 2.0)

RSD of the peak area of 1 (%) (n=6)

: 0.05(< 2.0)

\* 3.4 g of potassium dihydrogen phosphate in 700 mL of water.

Add 5 mL of trimethylamine, and adjust with phosphoric acid to a pH of 3.0.