

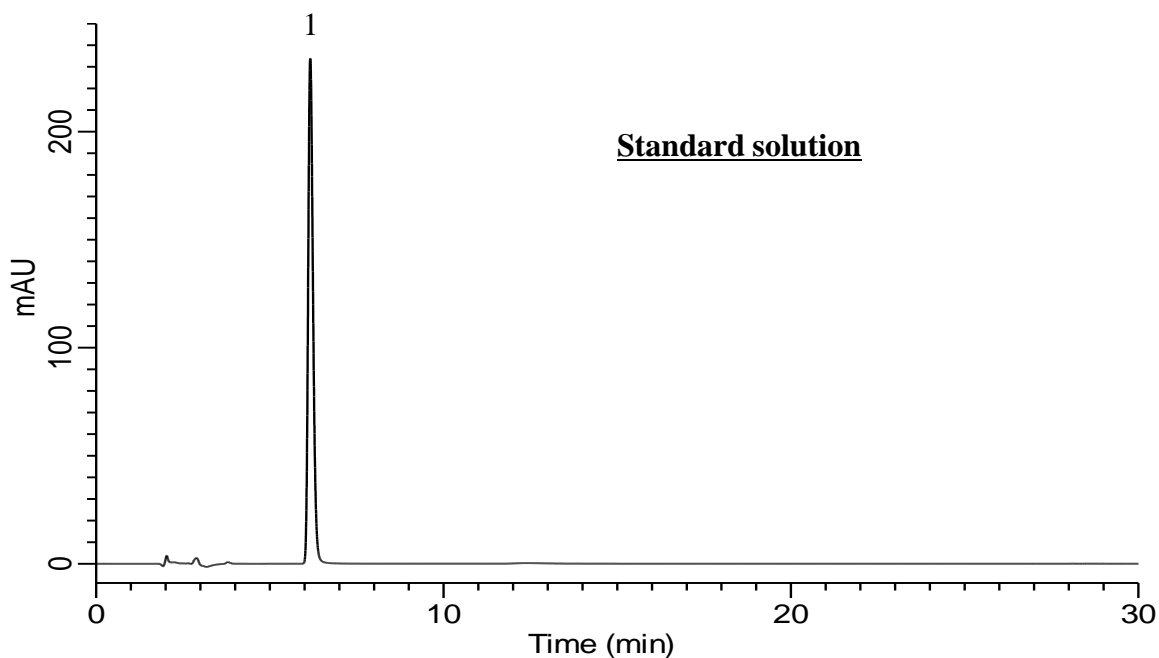
# InertSearch for LC

Inertsil Applications

## Analysis of Copovidone

(Under the Condition of European Pharmacopoeia 10.0, Impurity A)

Data No. LB660-0984



### Conditions

**System** : GL7700 HPLC system  
**Guard Column** : Inertsil ODS-4  
(5  $\mu$  m, 10 x 4.0 mm I.D.)  
**Column Cat. No.** : 5020-03651  
**Column** : Inertsil ODS-4  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-03945  
**Eluent** : A) CH<sub>3</sub>OH  
B) H<sub>2</sub>O  
A/B = 5/95, v/v  
**Flow Rate** : 0.8 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 205 nm (UV7750 UV Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. 2-Pyrrolidone 45 mg/L

Symmetry factor : 1.27 ( $\leq$  1.5)  
RSD of the peak area (n=6)  
: 0.10 ( $\leq$  2.0)