

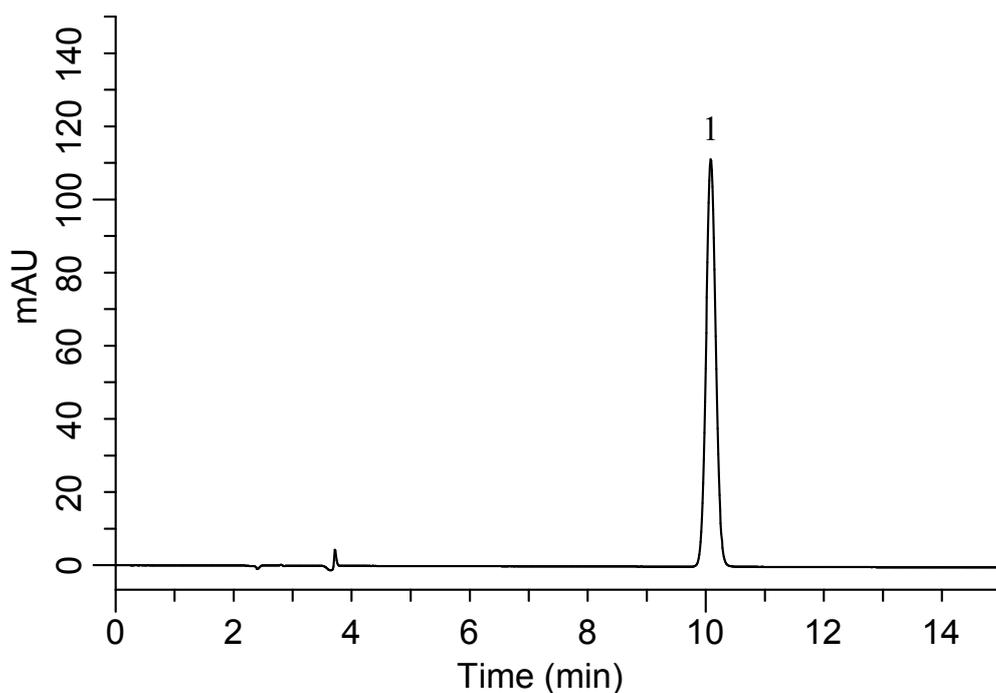
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Caffeine

(Under the Condition of the Japanese Standards of Quasi-drug Ingredients,  
Coffee Extract)

Data No. LB515-0919



### Conditions

**System** : GL7700 HPLC system  
**Column** : InertSustain C18  
(5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07346  
**Eluent** : A) CH<sub>3</sub>CN  
B) 0.1 % H<sub>3</sub>PO<sub>4</sub> in H<sub>2</sub>O  
A/B = 3/22, v/v  
**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 280 nm (PD7752 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Caffeine 25 mg/L