

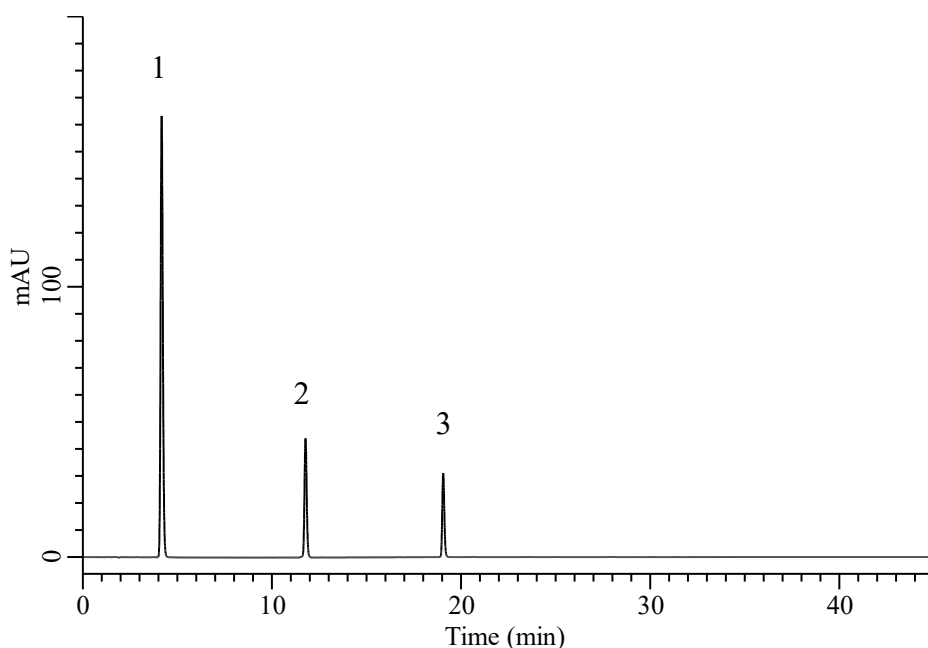
# InertSearch for LC

Inertsil Applications

## Analysis of BHT , BHA and PG (Analytical Method A)

(Under the Condition of food additive analysis method in food , BHT , BHA and PG)

Data No. LB863-7111



### Conditions

**System** : Primaide HPLC system (HITACHI)  
**Column** : InertSustain C18 (GL Sciences Inc.)  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07345  
**Eluent** : A) CH<sub>3</sub>CN/CH<sub>3</sub>OH = 50/50, v/v  
B) 5 vol% CH<sub>3</sub>COOH in H<sub>2</sub>O

### Analyte:

1. Propyl gallate (PG) 100  $\mu$  g/mL  
2. Butyl hydroxyanisole (BHA) 100  $\mu$  g/mL  
3. Butylated hydroxytoluene (BHT) 100  $\mu$  g/mL

Time (min)	A (vol %)	B (vol %)
0.0	40	60
15.0	90	10
45.0	90	10

**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 280 nm  
**Injection Vol.** : 5  $\mu$  L  
**Sample** : Standard