

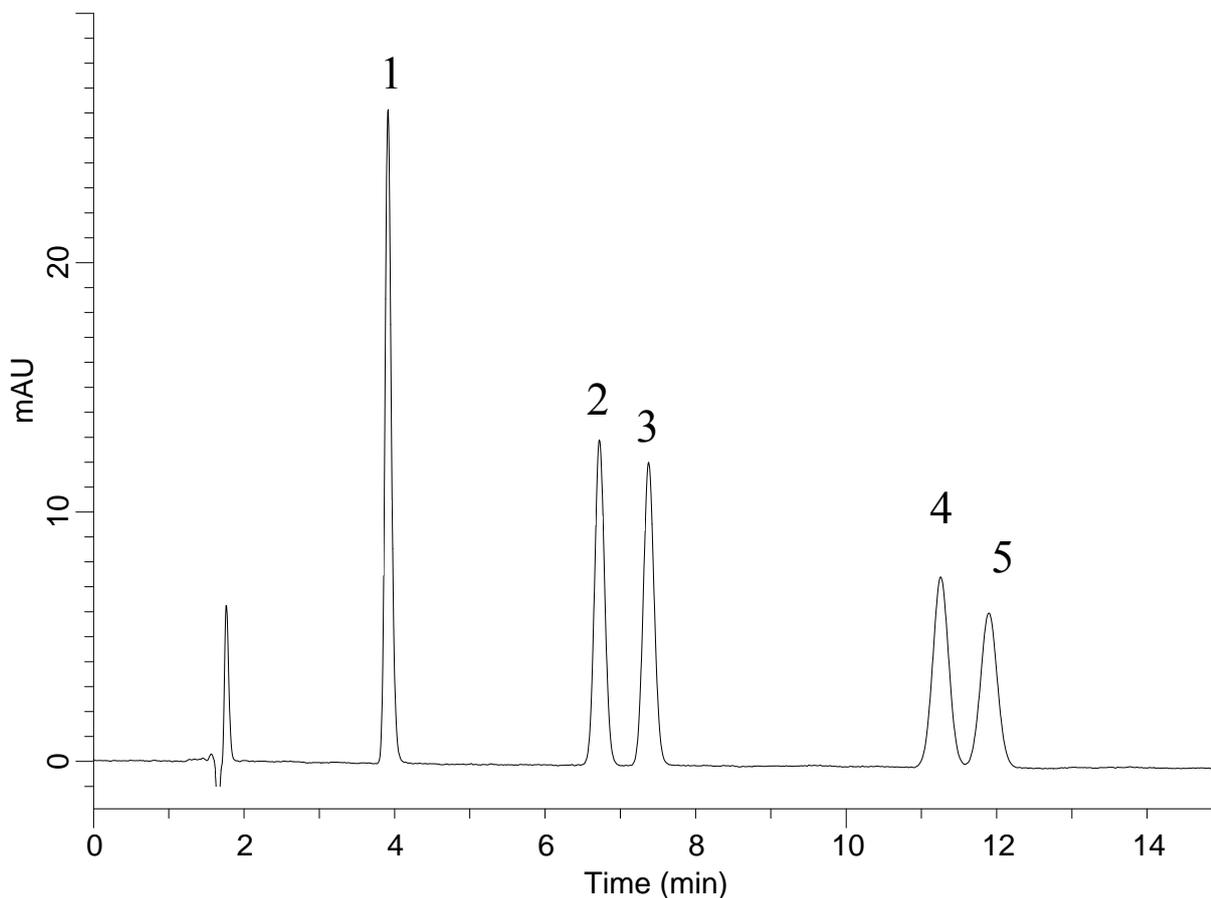
InertSearch™ for LC

Inertsil® Applications

Analysis of Parabens (Inertsil ODS-4)

(Based on the Condition of Japanese Food Sanitation Inspection Guidelines)

Data No. LA946-0871



Conditions

System : GL-7400 system
Column : Inertsil ODS-4 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-03945
Eluent : A) CH₃OH
: B) Citrate Buffer*
A/B = 60/40, v/v
Flow rate : 1.0 mL/min
Col. Temp. : 40°C
Detection : UV 270 nm (GL-7452A PDA Detector)
Injection Vol. : 20 μ L
Sample : Parabens

Analyte:

| | |
|--|------------|
| 1. Ethyl <i>p</i> -hydroxybenzoate | (2.0 mg/L) |
| 2. Isopropyl <i>p</i> -hydroxybenzoate | (2.0 mg/L) |
| 3. Propyl <i>p</i> -hydroxybenzoate | (2.0 mg/L) |
| 4. Isobutyl <i>p</i> -hydroxybenzoate | (2.0 mg/L) |
| 5. Butyl <i>p</i> -hydroxybenzoate | (2.0 mg/L) |

* Citrate Buffer: A solution containing 0.6 g/L of trisodium citrate dihydrate and 0.7 g/L of citric acid monohydrate.