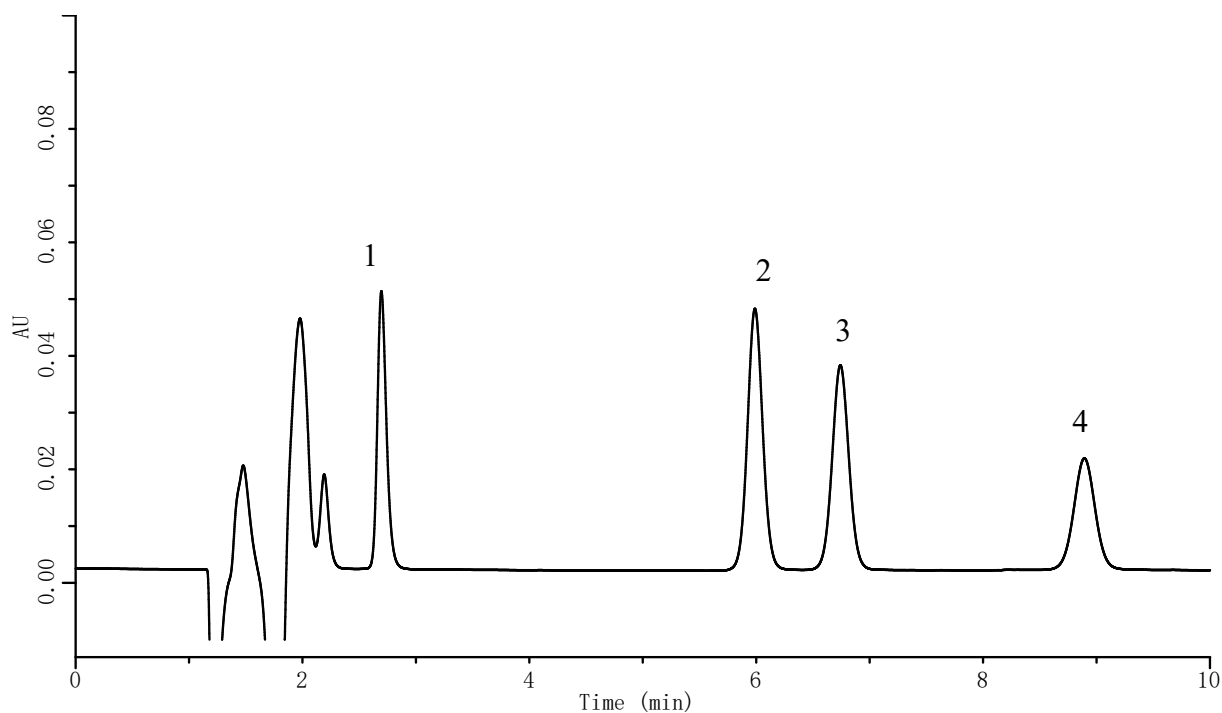


InertSearch™ for LC

Inertsil® Applications

Analysis of Food preservatives

Data No. LA713-0696



Conditions

System : GL-7400 HPLC system
Column : Inertsil ODS-3 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-01731
Eluent : A) CH₃CN
 B) CH₃OH
 C) Citric acid Buffer*
 A/B/C = 2/1/7, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 230 nm (GL-7450 UV Detector)
Injection Vol. : 20 μ L

Analyte

1. Saccharin (5.0 mg/L)
2. Benzoic acid (5.0 mg/L)
3. Sorbic acid (5.0 mg/L)
4. Dehydroacetic acid (5.0 mg/L)

* Citric acid Buffer :

0.6 g of trisodium citrate dihydrate and 0.7 g of citric acid hydrate were added and made up to 1L water.