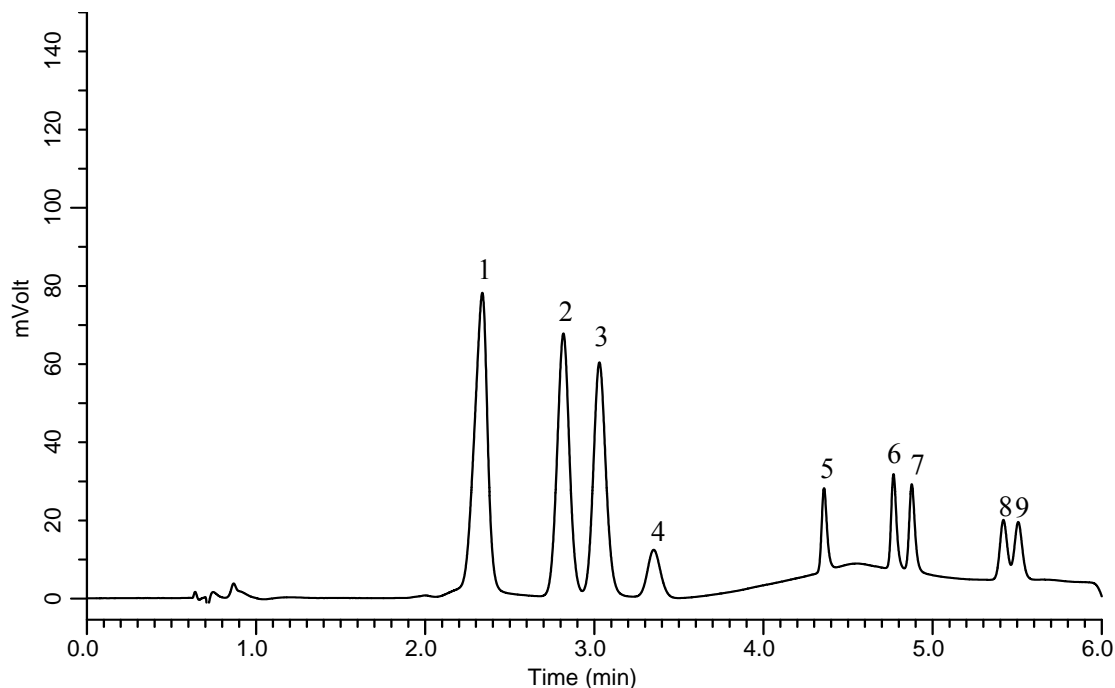


InertSearch™ for LC

Inertsil® Applications

Analysis of Preservatives (Inertsil ODS-4)

Data No. LB046-0811



Conditions

System : LC800 HPLC system
Column : Inertsil ODS-4 HP (3 μ m, 150 x 2.1 mm I.D.)
Column Cat. No. : 5020-03946
Eluent : A) CH₃OH/H₂O/200 mM KH₂PO₄ (pH 4.0, H₃PO₄)
=14/5/1, v/v/v
B) CH₃OH/H₂O/200 mM KH₂PO₄ (pH 4.0, H₃PO₄)
=2/17/1, v/v/v
A/B = 50/50 - 2.3 min - 50/50 - 1.2 min - 100/0
- 1.5 min - 100/0 - 0.1 min - 50/50
- 3 min - 50/50, v./v
Flow rate : 0.5 mL/min
Col. Temp. : 40 °C
Detection : UV 230 nm (Cell length 10 mm)
Injection Vol. : 5 μ L
Sample : Standards

Analyte:

1. Benzoic acid	(10 mg/L)
2. Sorbic acid	(10 mg/L)
3. Dehydroacetic Acid	(10 mg/L)
4. <i>p</i> -Hydroxy benzoic acid methyl ester	(10 mg/L)
5. <i>p</i> -Hydroxy benzoic acid ethyl ester	(10 mg/L)
6. <i>p</i> -Hydroxy benzoic acid <i>iso</i> -propyl ester	(10 mg/L)
7. <i>p</i> -Hydroxy benzoic acid <i>n</i> -propyl ester	(10 mg/L)
8. <i>p</i> -Hydroxy benzoic acid <i>iso</i> -butyl ester	(10 mg/L)
9. <i>p</i> -Hydroxy benzoic acid <i>n</i> -butyl ester	(10 mg/L)