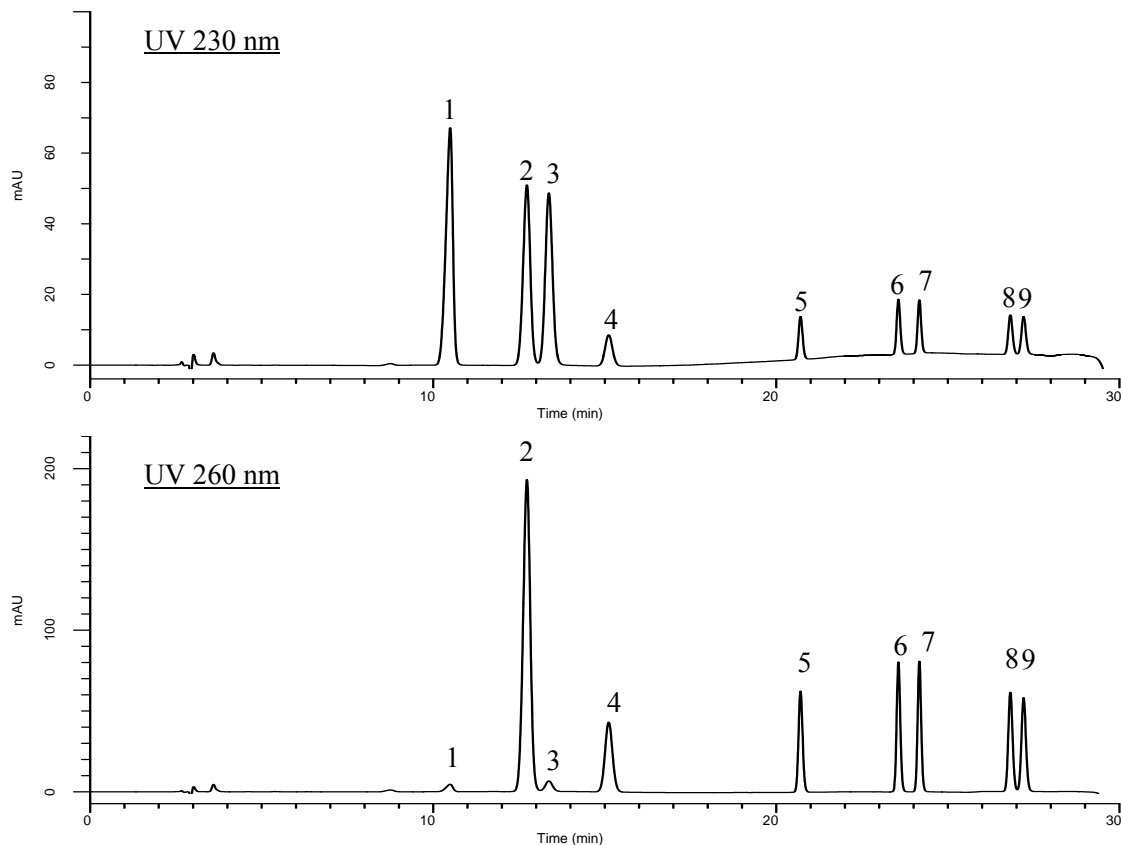


InertSearch™ for LC

Inertsil® Applications

Analysis of Preservatives (Inertsil ODS-4)

Data No. LB045-0811



Conditions

System : GL-7400 HPLC system
Guard Column : Cartridge Guard Column E
Inertsil ODS-4 (5 µm, 10 x 4.0 mm I.D.)
Column Cat. No. : 5020-08520
Column : Inertsil ODS-4 (5 µm, 250 x 4.6 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 - 10 min - 50/50 - 10 min - 100/0
- 5 min - 100/0 - 0.1 min - 50/50 - 10 min - 50/50, v/v
Flow rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 230, 260 nm (GL-7452A PDA detector)
Injection Vol. : 20 µL
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)