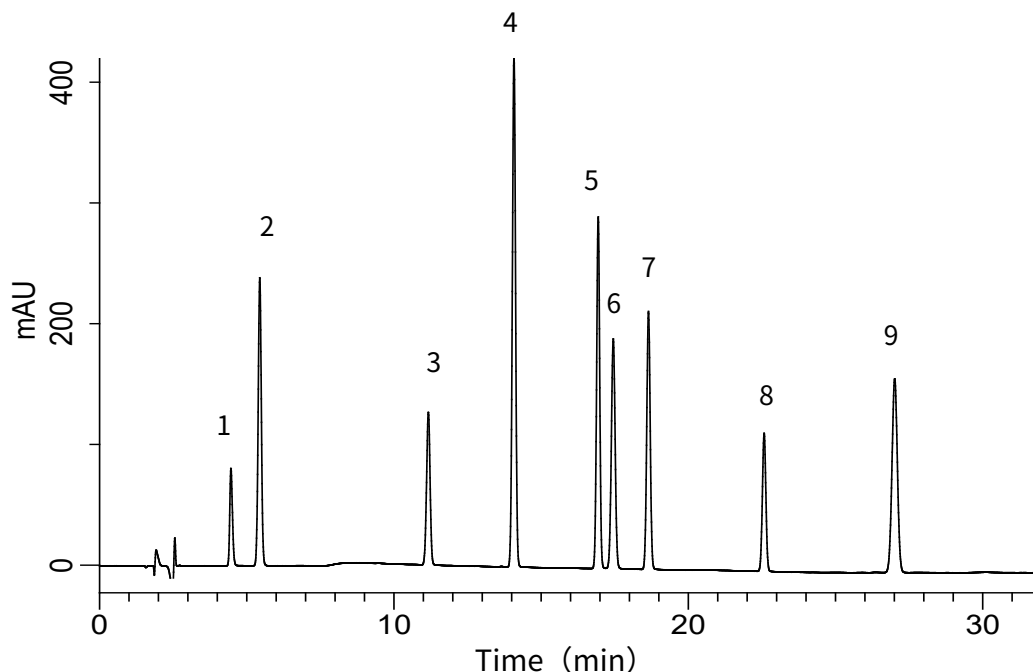


InertSearch™ for LC

Inertsil® Applications

Analysis of Preservatives

Data No. LA685-0698



Conditions

System : GL-7400 HPLC System
Column : Inertsil ODS-4 (5 µm, 150 x 4.6 mm I.D.)
Column Cat. No. : A) CH₃CN
Eluent : B) 25 mM CH₃COONa (pH 4.6, CH₃COOH)
A/B = 10/90 – 4 min – 10/90 – 16 min – 40/60 – 10 min hold, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 238 nm (GL-7450 UV Detector)
Injection Vol. : 10 µL

Preservatives

1. Sodium Saccharin	(50 µg/L)
2. <i>p</i> -Hydroxy benzoic acid	(50 µg/L)
3. Sorbic acid	(50 µg/L)
4. Benzoic acid	(50 µg/L)
5. <i>p</i> -Hydroxy benzoic acid methyl ester	(50 µg/L)
6. Dehydroacetic Acid	(50 µg/L)
7. <i>p</i> -Toluic acid	(50 µg/L)
8. <i>p</i> -Hydroxy benzoic acid ethyl ester	(50 µg/L)
9. <i>p</i> -Hydroxy benzoic acid <i>n</i> -propyl ester	(50 µg/L)