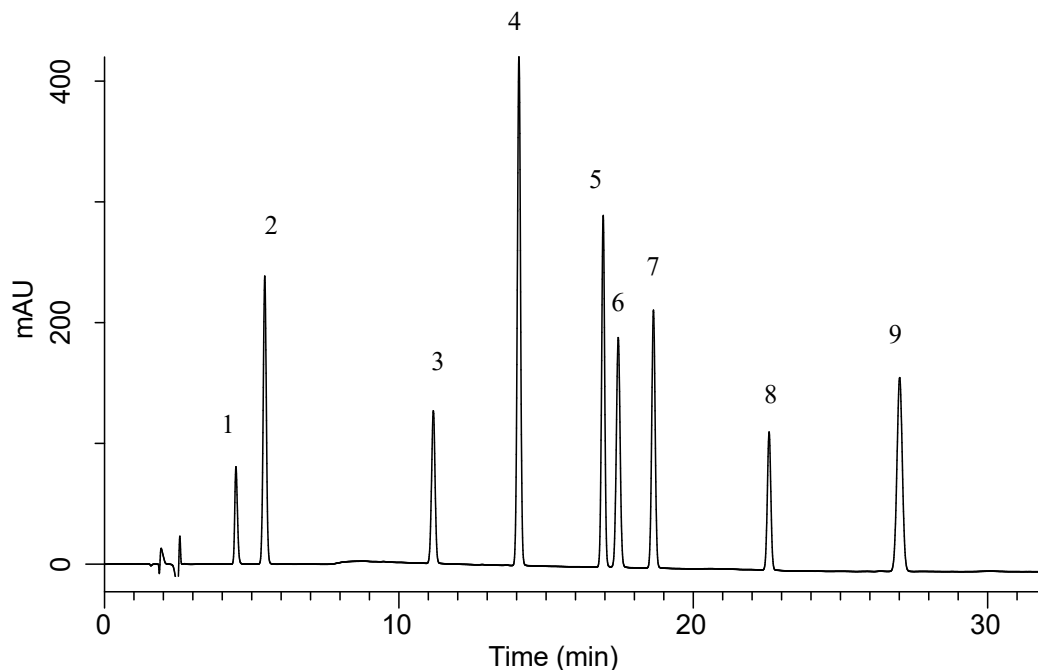


# InertSearch™ for LC

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) CH<sub>3</sub>CN  
**Eluent** : B) 25 mM CH<sub>3</sub>COONa (pH 4.6, CH<sub>3</sub>COOH)  
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

### Analyte

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)