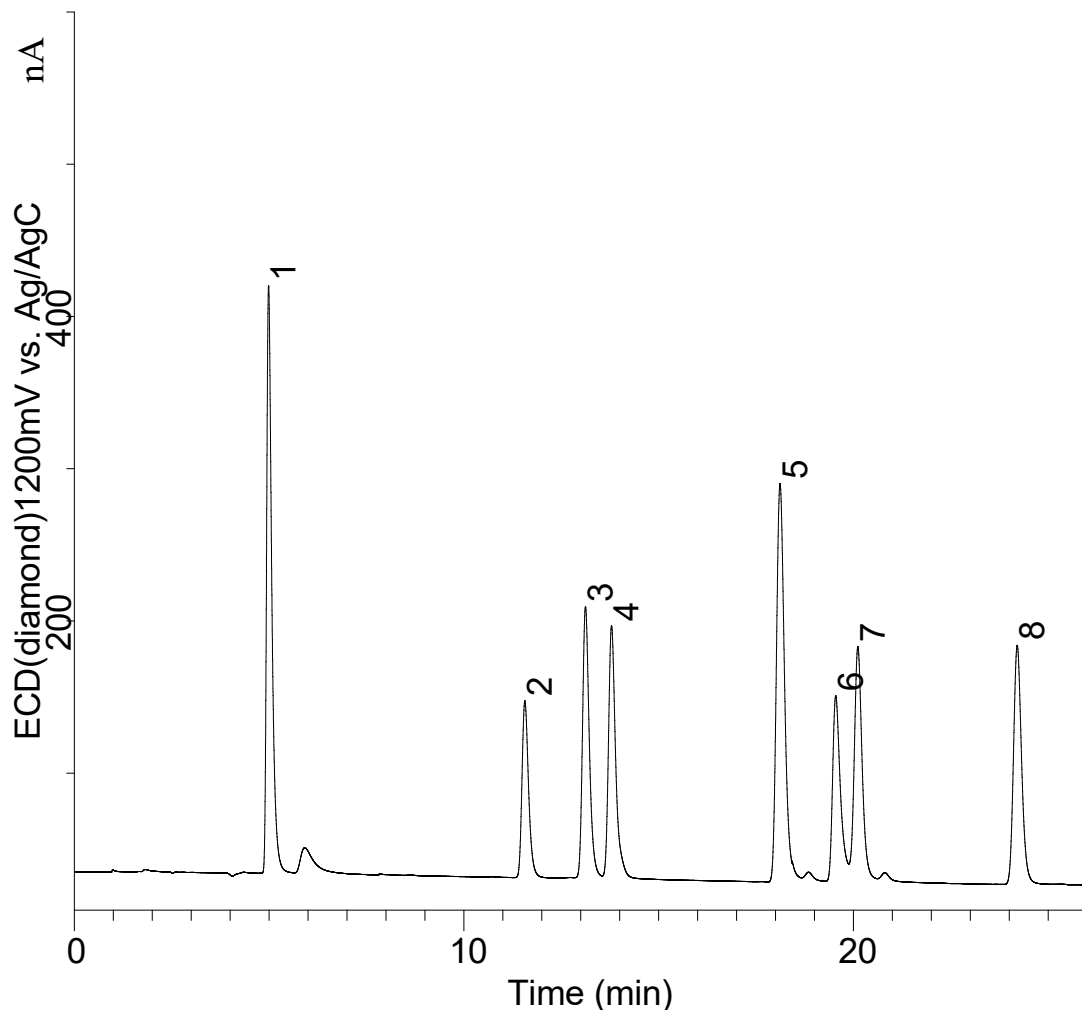


InertSearch™ for LC

Inertsil® Applications

Analysis of Phenolic Acid by HPLC-ECD

Data No. LA628-0774



Conditions

System : GL-7400 HPLC system
Column : Inertsil ODS-3 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-01732
Eluent : A) 0.1% H₃PO₄ in CH₃CN
B) 0.1% H₃PO₄ in H₂O
A/B = 10/90 - 40min - 40/60, w/w
(Mixed by a gradient mixer)
Flow rate : 1.0 mL/min
Col. Temp. : 35 °C
Detection : ECD 1200 mV vs Ag/AgCl
(ED703 EC Detector, Diamond)
Injection Vol. : 10 μ L
Analyte : Phenolic acid

Analyte:

1. Gallic acid	(1.0 mg/L)
2. 4-Hydroxybenzoic acid	(1.0 mg/L)
3. Caffeic acid	(1.0 mg/L)
4. Syringic acid	(1.0 mg/L)
5. <i>p</i> -Coumaric acid	(1.0 mg/L)
6. Ferulic acid	(1.0 mg/L)
7. <i>o</i> -Coumaric acid	(1.0 mg/L)
8. Ellagic acid	(1.0 mg/L)