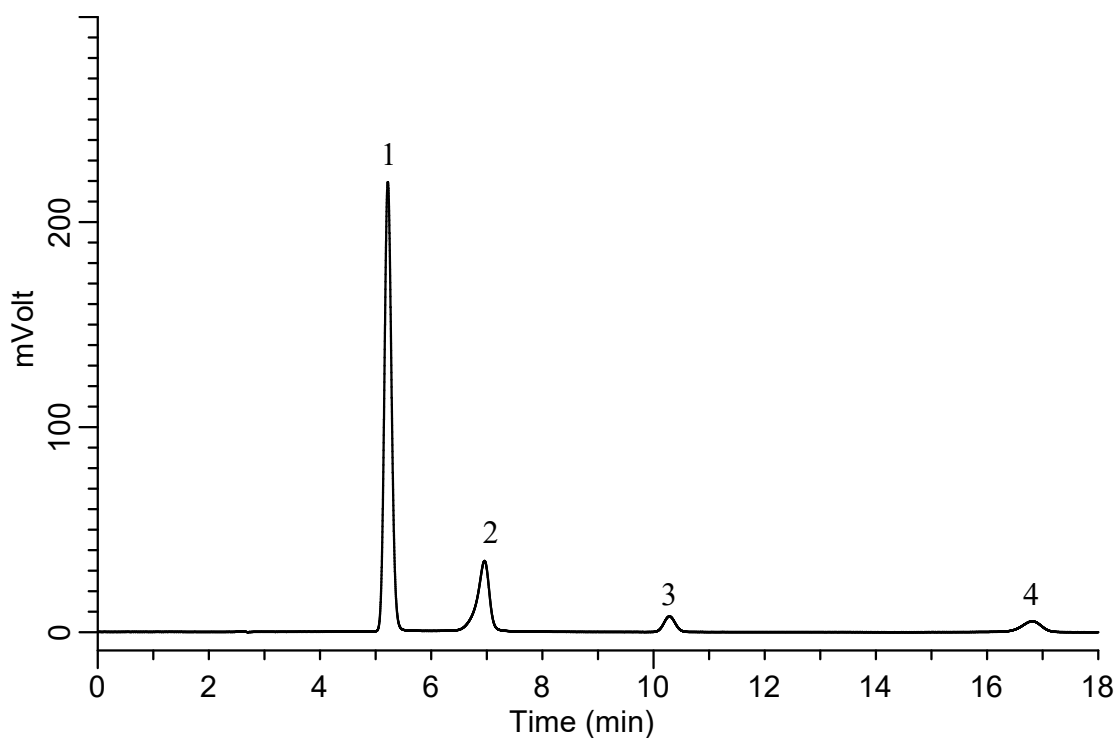


InertSearch™ for LC

Inertsil® Applications

Analysis of Salicylic acid (Under the Condition of Japanese Pharmacopoeia)

Data No. LA970-848



Conditions

System : LC800 HPLC system
Column : Inertsil ODS-P (5 μ m, 150 x 4.6 mm I.D.)
Material Lot : PQ5-3076
Column Cat. No. : 5020- 02001
Eluent : A) 1.0 % CH₃COOH in CH₃OH
B) 1.0 % CH₃COOH in H₂O,
A/B = 40/60, v/v
Flow Rate : 0.45 mL/min
Col. Temp. : 35 °C
Detection : UV 270 nm (LC800 UV Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte :

1.4-Hydroxybenzoic acid (50 mg/L)
2.4-Hydroxyisophthalic acid (25 mg/L)
3.Phenol (10 mg/L)
4.Salicylic acid (50 mg/L)

Resolution(peak 2-3) : 8.91 > 4 (JP 16)