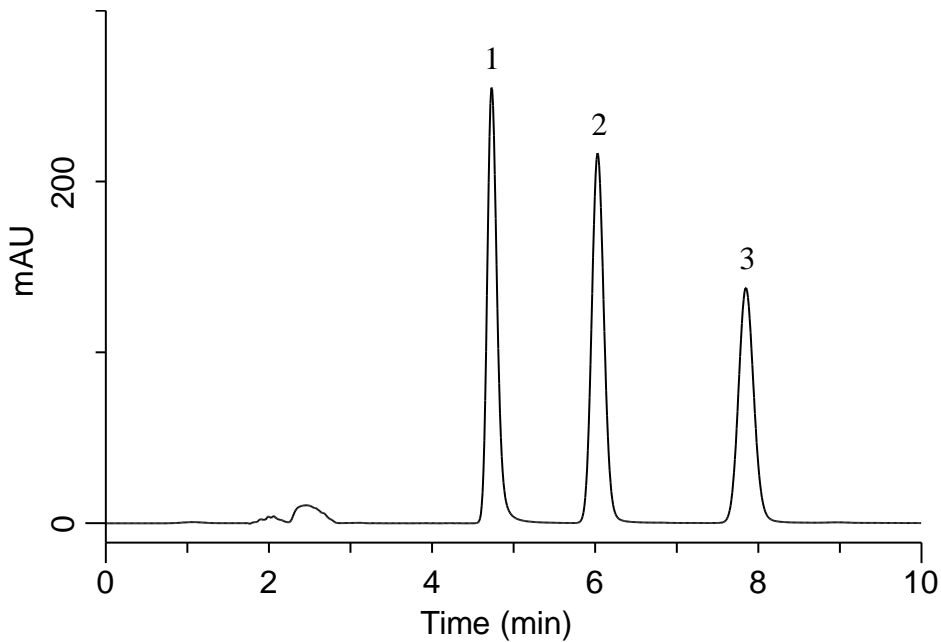


Analysis of Estradiol (Under the Condition of USP 39-NF34)



Conditions

System : GL7700 HPLC system
Column : Inertsil ODS-3
 (10 μ m, 300 x 3.9 mmI.D.)
Column Cat. No. : 5020-87016
Eluent : A) CH₃CN
 B) H₂O
 A/B = 55/45, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 205 nm (PD7752 PDA Detector)
Injection Vol. : 25 μ L
Sample : Standard

Analyte:

1. Ethylparaben 15 μ g/mL
 2. Estradiol 20 μ g/mL
 3. Estrone 12 μ g/mL

Resolution (2, 3) : 5.77 (\geq 2.0)
 RSD of the 2 area (%) (n=5) : 0.44 (\leq 2.0)