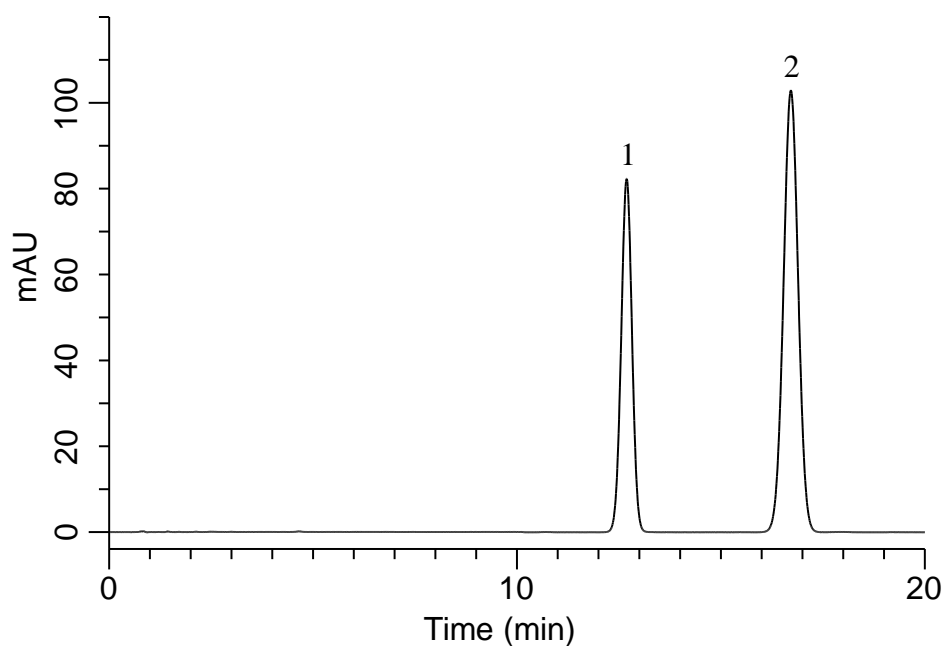


Analysis of Ibuprofen

(Under the Condition of USP 39-NF34, Ibuprofen Oral Suspension)



Conditions

System : GL7700 HPLC system
Column : InertSustain C8
 (5 μ m, 150 x 4.6 mmI.D.)
Column Cat. No. : 5020-16027
Eluent : A) CH₃CN
 B) 0.01 M H₃PO₄ in H₂O
 A/B = 37/63, v/v
Flow Rate : 2.0 mL/min
Col. Temp. : 40 °C
Detection : UV 220 nm (PD7752 PDA Detector)
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. Benzophenone 0.32 mg/mL
 2. Ibuprofen 0.48 mg/mL

Resolution (1, 2) : 6.84 (\geq 1.5)
 Tailing factor : 1.00 (\leq 2.0)
 RSD of the area (%) (n=5) : 0.05 (\leq 2.0)