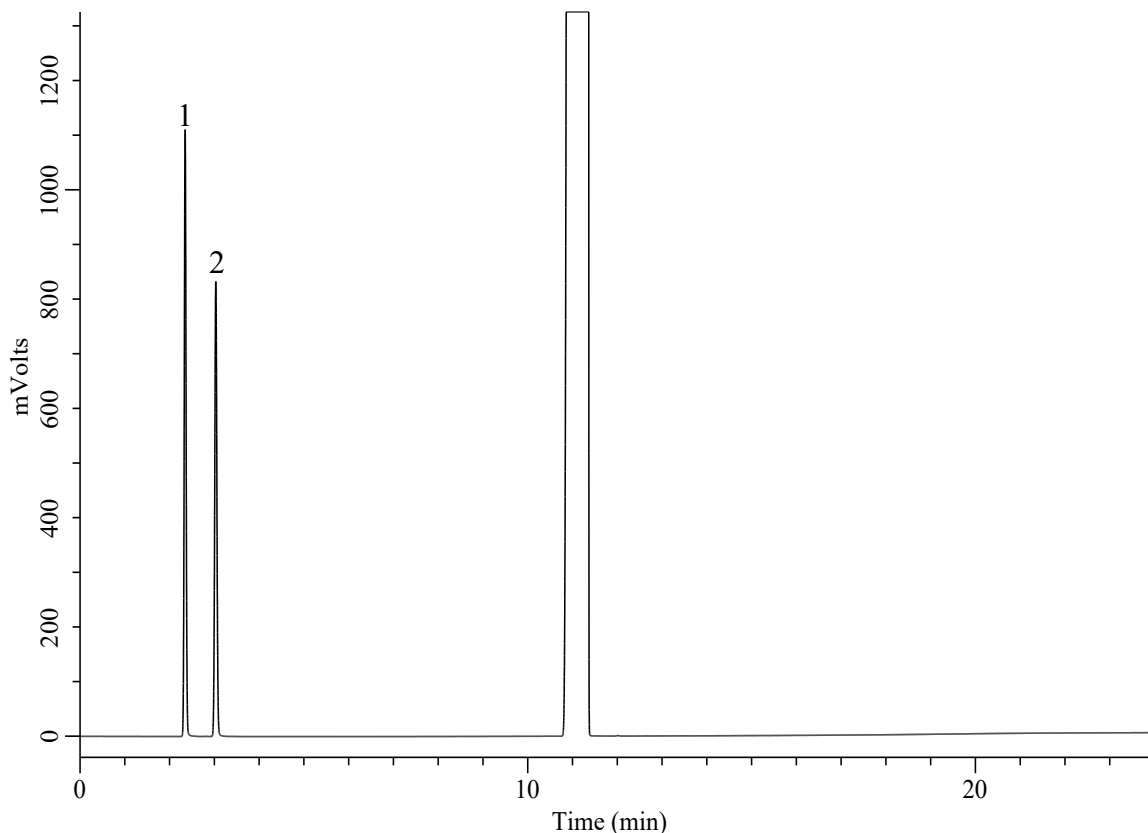


Analysis of Ethanol, Acetonitrile

(Under the Condition of USP-NF, Aztreonam, Limit of Alcohol)



Conditions

System : GC-4000 Plus system
Column : InertCap 624 Select (GL Sciences Inc.)
 0.53 mm I.D. x 30 m df = 3.0 μ m
Col. Cat. No. : 1010-14988
Col. Temp. : 50 °C (5 min) - 10 °C/min - 200 °C (4 min)
Carrier Gas : He 4.8 mL/min , Constant Flow
Injection : Split 24 mL/min
 210 °C
Detection : FID Auto Range
 280 °C
Injection Vol. : 0.5 μ L
Sample : Standard

Analyte

1. Ethanol 0.4 % (v/v)
 2. Acetonitrile 0.4 % (v/v)

Sol. in *N,N*-Dimethylformamide

Relative retention times
 Ethanol : 1.0 (RT=2.330)
 Acetonitrile : 1.3 (RT=3.010)

Resolution(1,2) : 8.60 (≥ 2.0)
 Tailing factor of 1 : 1.04 (≤ 1.5)
 Tailing factor of 2 : 1.03 (≤ 1.5)
 RSD of the peak area of 1 (%) (n=6) : 1.42 (≤ 2.0)
 RSD of the peak area of 2 (%) (n=6) : 1.14 (≤ 2.0)