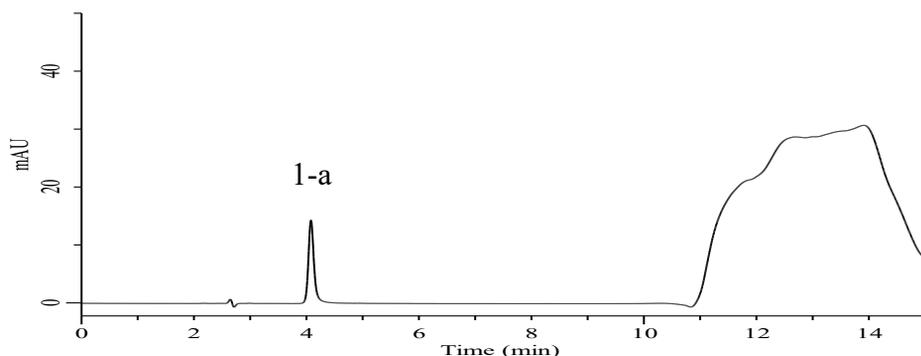
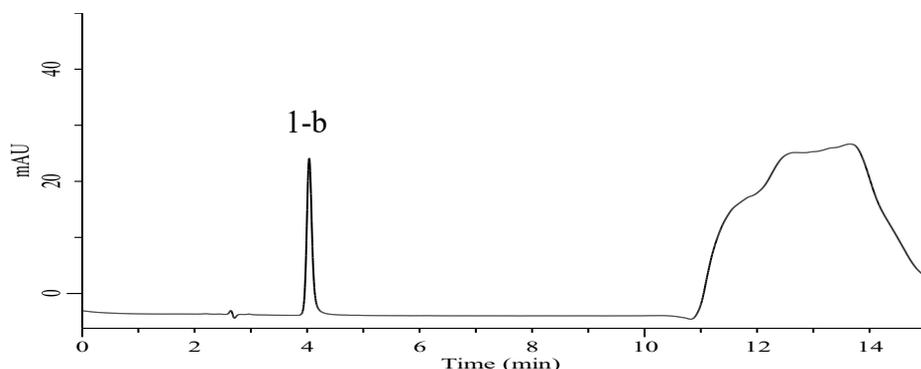


Analysis of 4-Aminophenol

(Under the Condition of draft for USP PF52(1), Acetaminophen Injection, IMPURITISE , Limit of 4-AMINOPHENOL)



Sensitivity solution



Standard solution

Conditions

System : Primaide (HITACHI)
Column : InertSustainSwift C8 (GL Sciences Inc.)
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-88331
Eluent : A) CH₃OH
 B) Buffer*

Time (min)	A (vol %)	B (vol %)
0.0	7	93
6.0	7	93
7.0	80	20
10.0	80	20
10.1	7	93
15.0	7	93

Analyte:

1-a. 4-Aminophenol 2 μ g/mL
 1-b. 4-Aminophenol 4 μ g/mL

RSD of the peak area of 1-b (%) (n=6) : 0.34 (\leq 5.0)

Signal-to-noise ratio of 1-a : 563.5 (\leq 10)

Flow Rate : 0.8 mL/min
Col. Temp. : 35 $^{\circ}$ C
Autosampler : 6 $^{\circ}$ C
Detection : UV 230 nm (Primaide 1435 DAD)
Injection Vol. : 10 μ L
Sample : Standard in Buffer*

* : Dissolve 1.7 g of potassium phosphate, monobasic and 1.8 g of sodium phosphate, dibasic, anhydrous in 1000 mL of water.