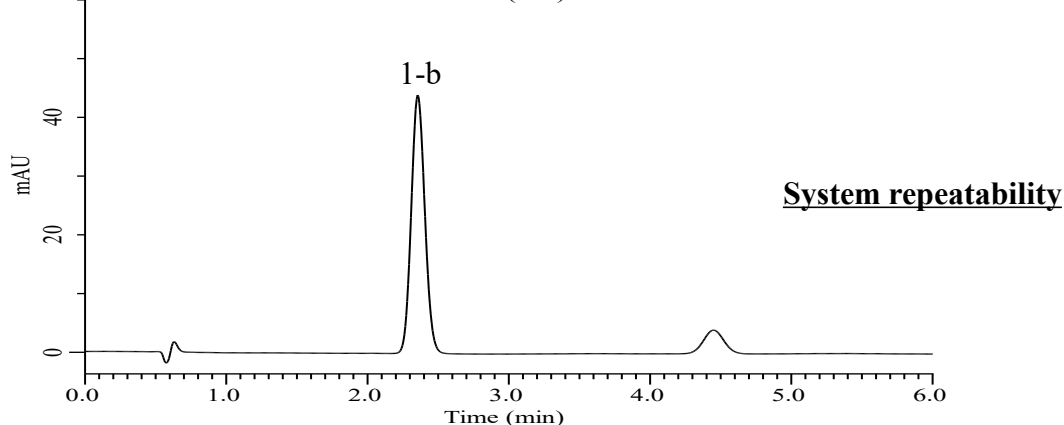
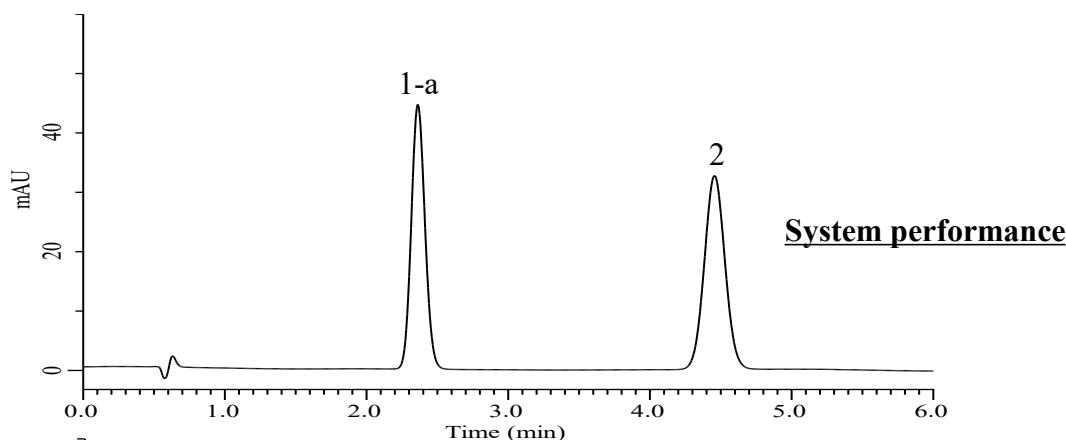


Analysis of Aspirin

(Under the Condition of the draft for the Japanese Pharmacopoeia 19th, Aspirin Delayed-release Tablets, ASSAY)



Conditions

System : Chromaster (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 125 x 4.0 mm I.D.)
Column Cat. No. : 5020-07337
Eluent : A) CH₃OH
 B) Buffer*
 A/B = 40/60, v/v
Flow Rate : 1.8 mL/min
Col. Temp. : 40 °C
Detection : UV 295 nm (Chromaster 5430 DAD)
Injection Vol. : 10 μ L
Sample : Standard in a solution made by adding phosphoric acid to a water/methanol mixture (111:89) and adjusting the pH to 2.4.

Analyte:

1-a. Aspirin : 1.0 mg/mL
 1-b. Aspirin : 1.0 mg/mL
 2. Salicylic acid : 0.03 mg/mL

Resolution (1-a, 2) : 9.4 (\geq 4)

RSD of the peak area of 1-b (%) (n=6) : 0.17 (\leq 1.0)

*Dissolve approximately 0.341 g of dipotassium hydrogen phosphate in 1000 mL of water and adjust the pH to 2.0 by adding phosphoric acid.