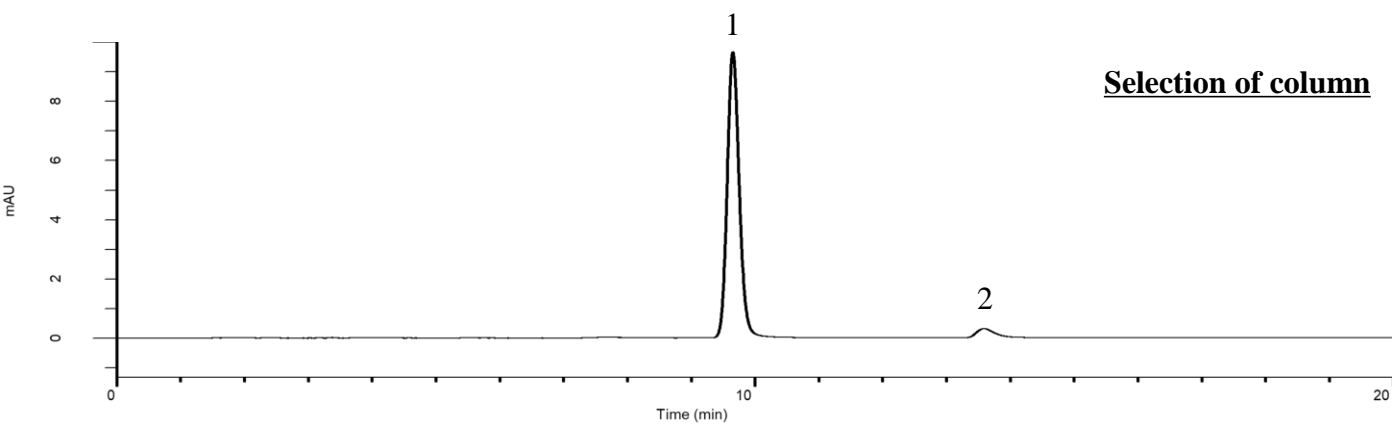
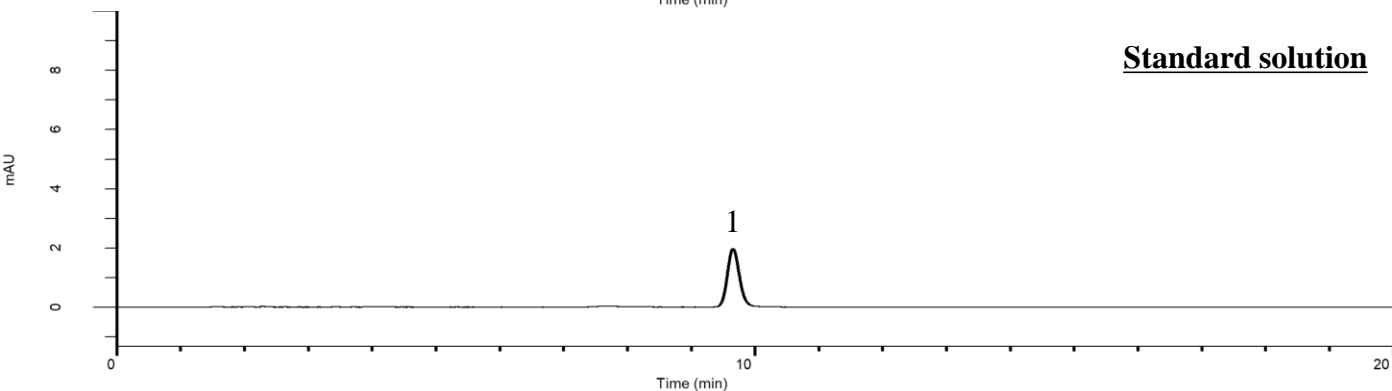


Analysis of Povidone

(Under the Condition of the Japanese Pharmacopoeia 16th edition,
(4) 1-Vinyl-2-pyrrolidone)



Selection of column



Standard solution

Conditions

System : GL7700 HPLC system
Guard Column : InertSustain C8
 (5 μ m, 25 x 4.0 mm I.D.)
Column Cat. No. : 5020-87040
Column : InertSustain C8
 (5 μ m, 250 x 4.0 mm I.D.)
Column Cat. No. : 5020-16021
Eluent : A) CH₃OH
 B) H₂O
 A/B = 1/4, v/v
Flow Rate : 1.2 mL/min
Col. Temp. : 40 °C
Detection : UV 254 nm (PD7752 PDA Detector)
Injection Vol. : 50 μ L
Sample : Standard

Analyte:

1. 1-Vinyl-2-pyrrolidone
 2. Vinyl acetate

Resolution (1, 2) : 9.01 (\geq 2.0)