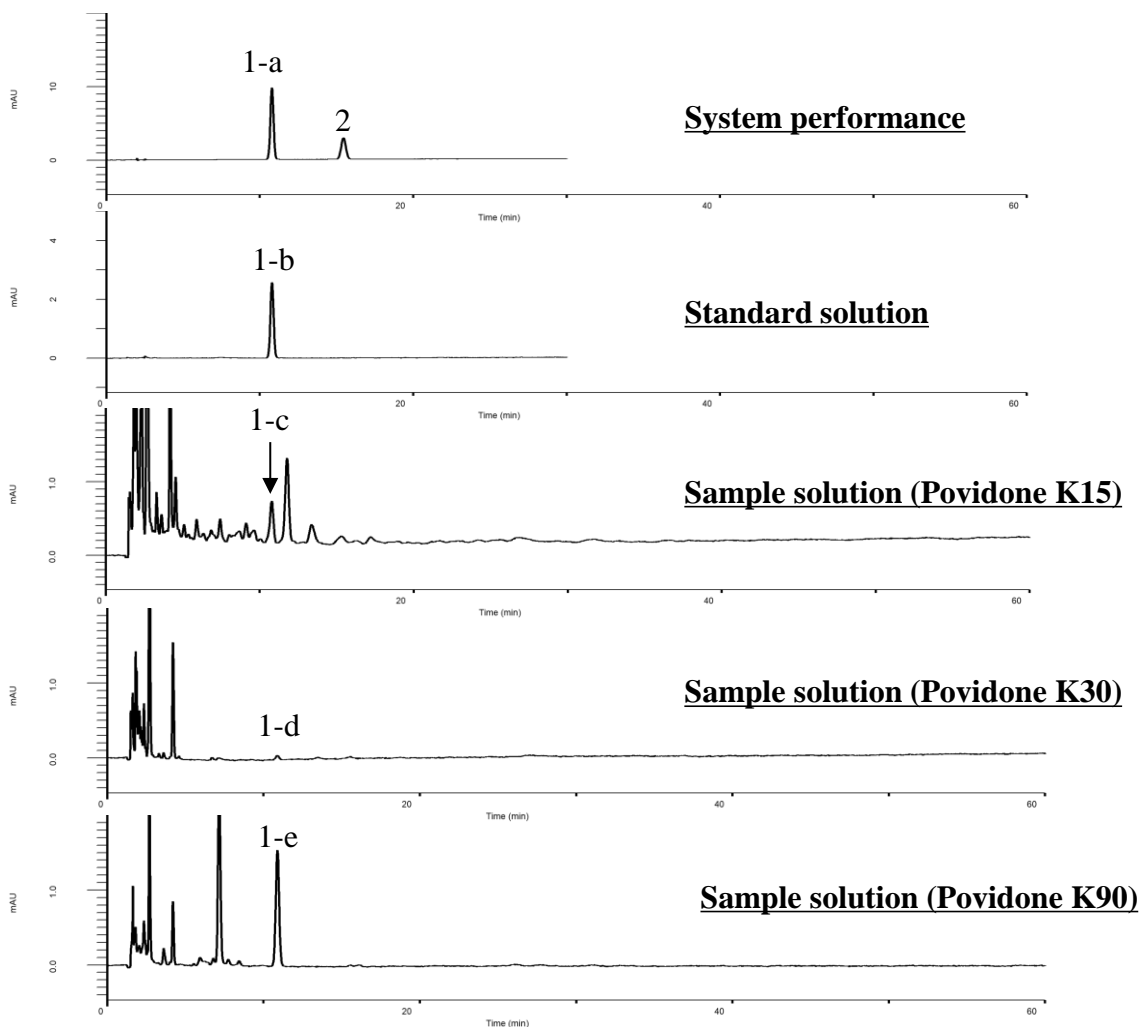


Analysis of Povidone

(Under the Condition of the Japanese Pharmacopoeia 17th edition, (4) 1-Vinyl-2-pyrrolidone)



Conditions

System : GL7700 HPLC system
Guard Column : InertSustain AQ-C18
 (5 μ m, 10 x 4.0 mm I.D.)
Guard Column
Cat. No. : 5020-89805 (Holder/Cartridge Set)
 or 5020-89804 (Replacement Cartridge)
Column : InertSustain AQ-C18
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-89730
Eluent : A) CH₃CN
 B) H₂O
 A/B = 1/9, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 235 nm (PD7752 PDA Detector)
Injection Vol. : 20 μ L
Sample : Povidone

Analyte

1. 1-Vinyl-2-pyrrolidone
 2. Vinyl acetate
 Resolution (1-a,2) : 9.66 (\geq 2.0)
 RSD of the
 1-b area (%) (n = 6) : 0.65 (\leq 2.0)