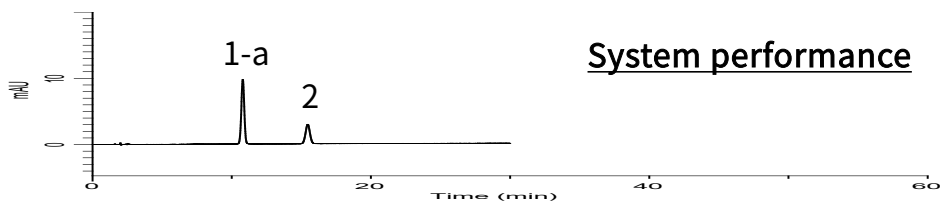


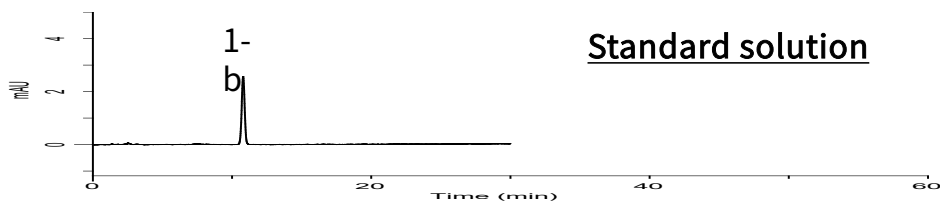
Analysis of Povidone

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

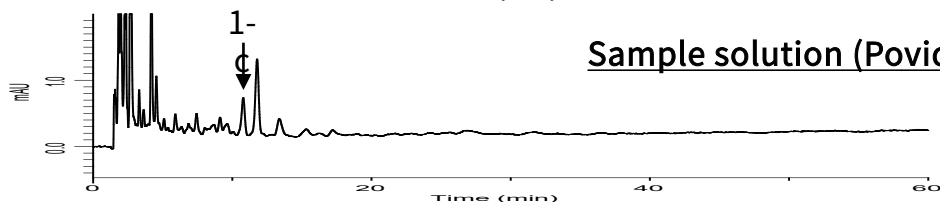
Data No. LB433-0894



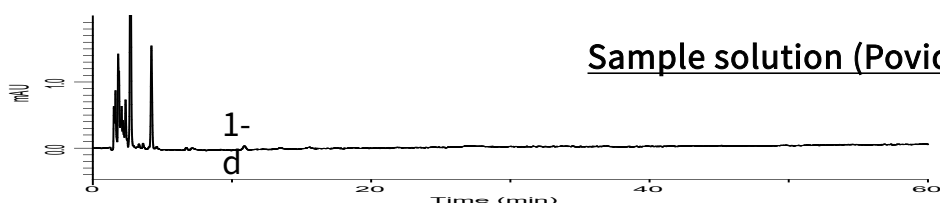
System performance



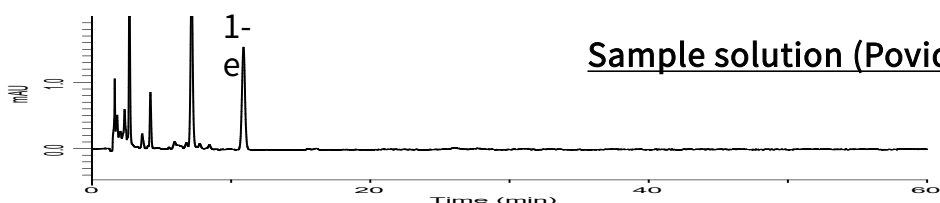
Standard solution



Sample solution (Povidone K15)



Sample solution (Povidone K30)



Sample solution (Povidone K90)

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 (≥ 2.0)
RSD of the 1-b area (%) (n = 6) : 0.65 (≤ 2.0)