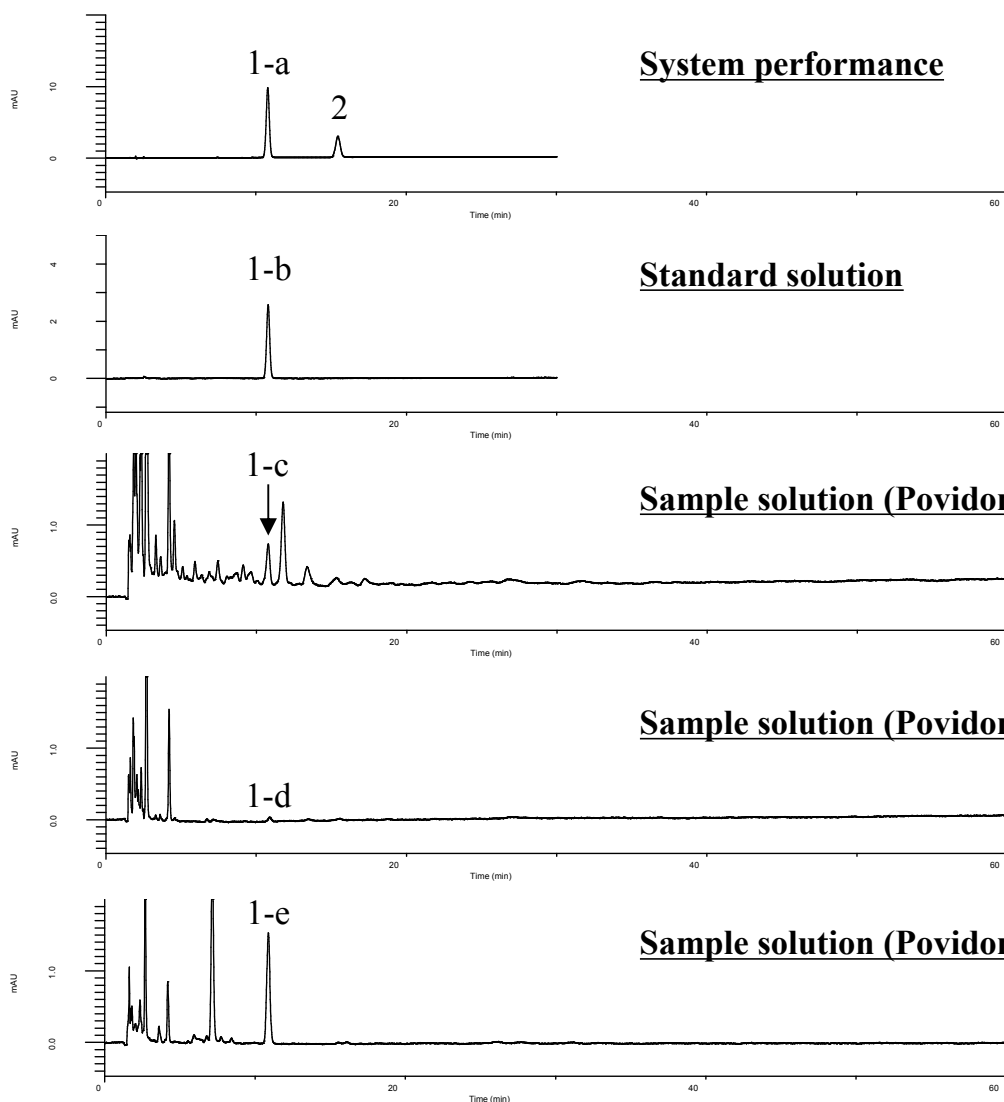


### Analysis of Povidone

(Under the Condition of the Japanese Pharmacopoeia 17th edition, (4) 1-Vinyl-2-pyrrolidone)  
Data No. LB433-0894



#### Conditions

**System** : GL7700 HPLC system  
**Guard Column** : InertSustain AQ-C18  
 (5  $\mu$  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  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-89730  
**Eluent** : A) CH<sub>3</sub>CN  
 B) H<sub>2</sub>O  
 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  $\mu$  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)