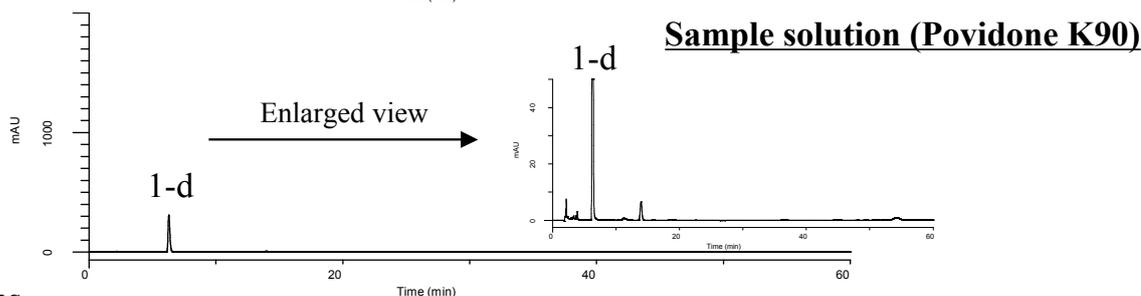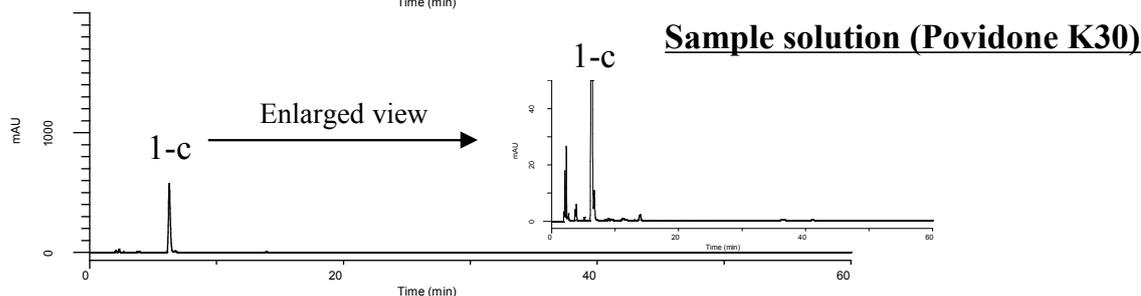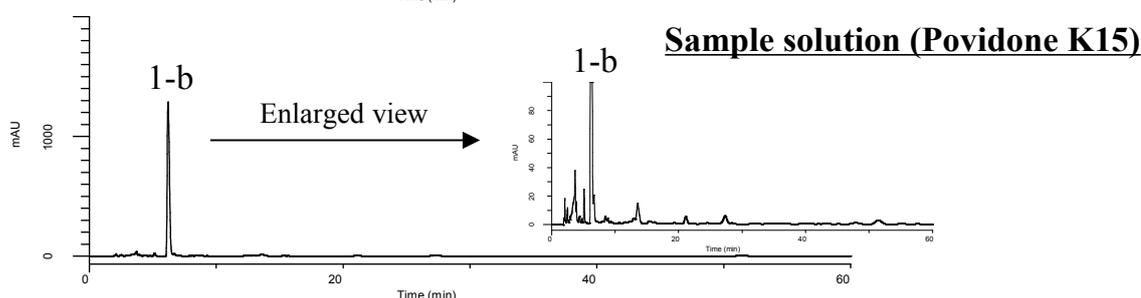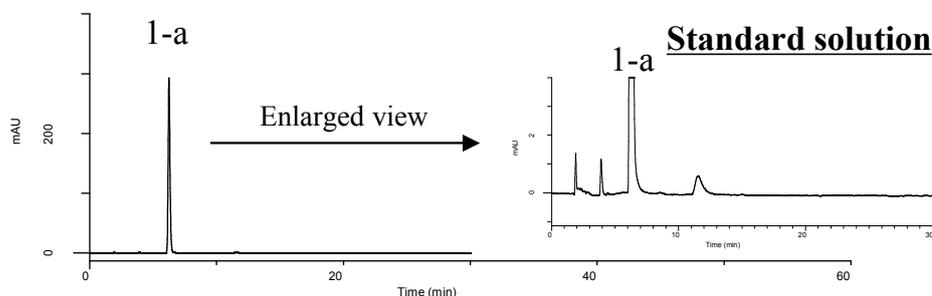# InertSearch™

Inertsil ® Applications

Analysis of Povidone
(Under the Condition of the Japanese Pharmacopoeia 17th edition, (6) 2-Pyrrolidone)
Data No. LB435-0894

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) CH_3OH
	B) H_2O
	A/B = 1/19, v/v
Flow Rate	: 0.8 mL/min
Col. Temp.	: 40 ℃
Detection	: UV 205 nm (PD7752 PDA Detector)
Injection Vol.	: 50 μ L
Sample	: Povidone

Analyte

1. 2-Pyrrolidone

Theoretical plate number (1-a)	: 8,900 ($\geqq$ 5,000)
Tailing factor (1-a)	: 1.19 ($\leqq$ 1.5)
RSD of the 1-a area (%) (n = 6)	: 0.05 ($\leqq$ 2.0)

GL Sciences