

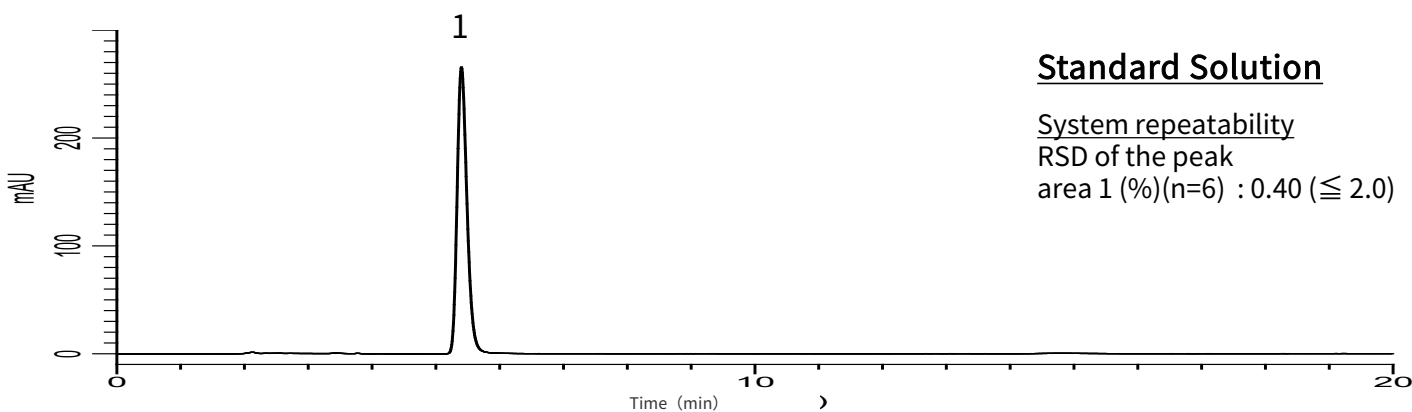
InertSearch™ for LC

Inertsil® Applications

Analysis of Povidone

(Under the Condition of the draft for the Japanese Pharmacopoeia, (8) 2-pyrrolidone)

Data No. LB177-0894

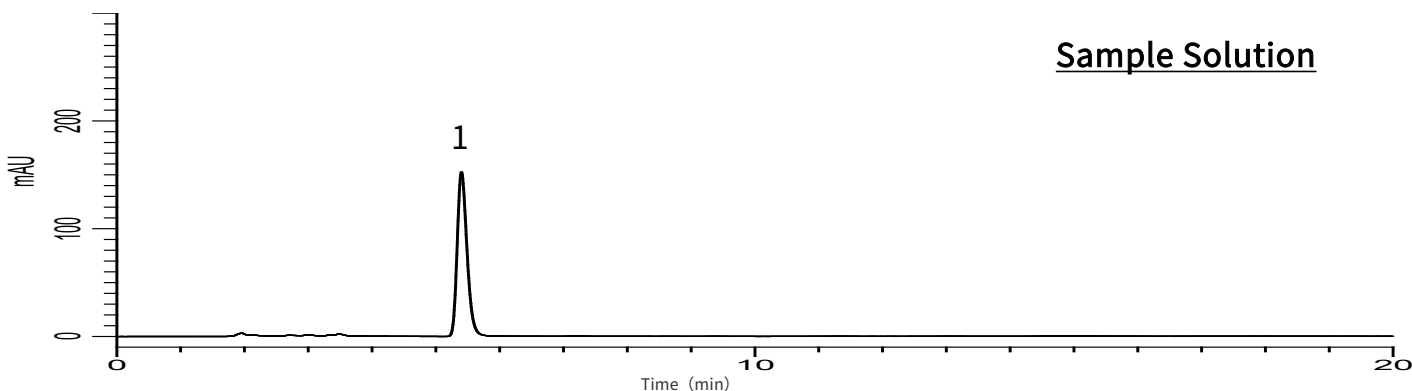


Standard Solution

System repeatability

RSD of the peak

area 1 (%) (n=6) : 0.40 (≤ 2.0)



Sample Solution

Conditions

System : GL-7400 HPLC system
Guard Column : InertSustain C18
(5 μ m, 10 x 4.0 mm I.D.)
Guard Column
Cat. No. : 5020-19099 (Holder/Cartridge Set) or 5020-19049 (Replacement Cartridge)
Column : InertSustain C18
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : A) CH₃OH
B) H₂O
A/B = 1/19, v/v
Flow Rate : 0.8 mL/min
Col. Temp. : 40 °C
Detection : UV 205 nm (GL-7452 PDA Detector)
Injection Vol. : 50 μ L

Analyte:

1. 2-Pyrrolidone