

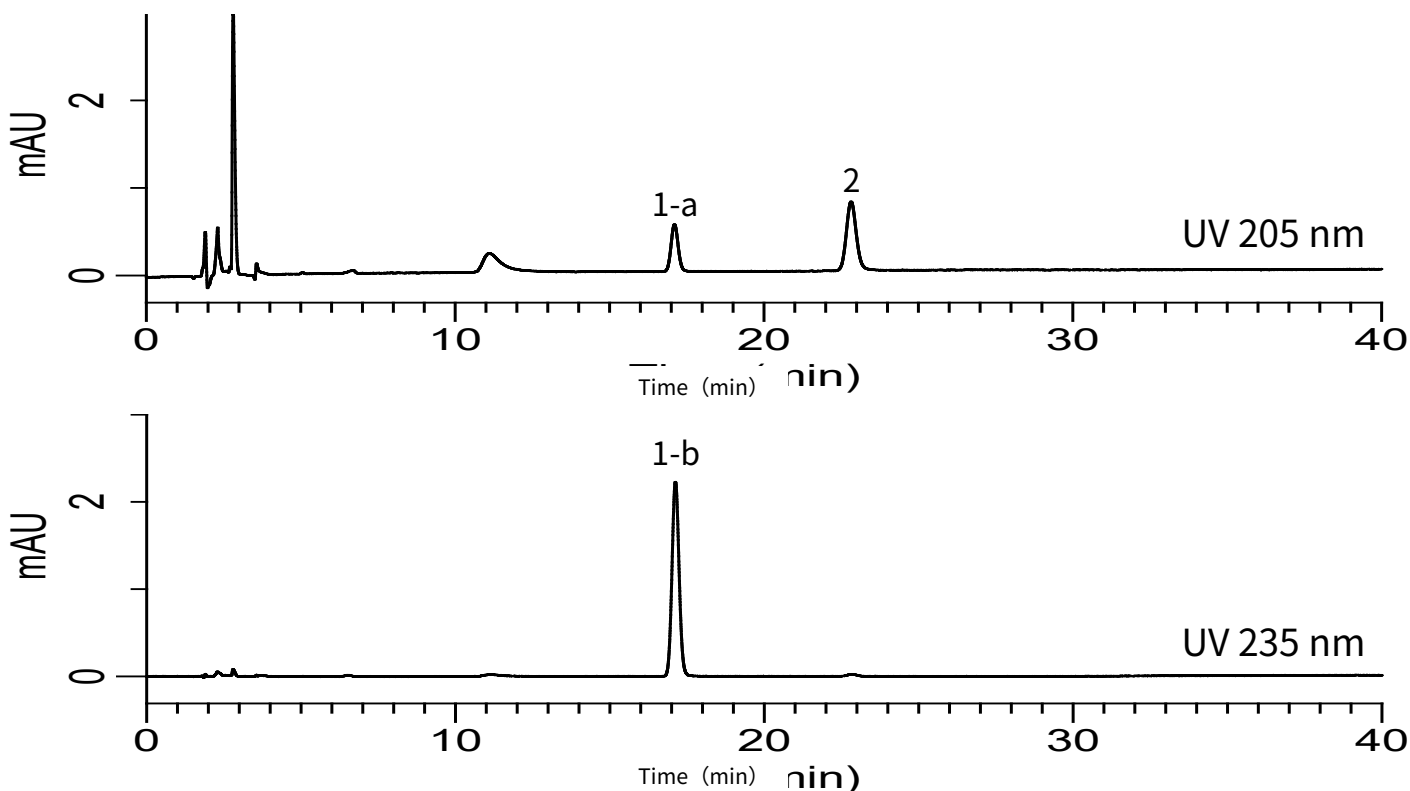
InertSearch™ for LC

Inertsil® Applicationsv

Analysis of Copovidone

(Under the Condition of the draft for the Japanese Pharmacopoeia,
(4) 1-Vinyl-2-pyrrolidone and vinyl acetate)

Data No. LB627-0952



Conditions

System : GL7700 HPLC system
Guard Column : Inertsil ODS-4
(5 μ m, 33 x 4.0 mm I.D.)
Column Cat. No. : 5020-04251
Column : Inertsil ODS-4
(5 μ m, 250 x 4.0 mm I.D.)
Column Cat. No. : 5020-03936
Eluent : A) CH₃CN
B) H₂O
A/B = 2/23, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 205 or 235 nm (UV7750 UV Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. 1-Vinyl-2-pyrrolidone 0.25 mg/L
2. Vinyl acetate 0.25 mg/L

Resolution (1-a,2) : 11.75 (≥ 2.0)
RSD of the peak area of 1-b (%) (n=6)
: 1.33 (≤ 2.0)
RSD of the peak area of 2 (%) (n=6)
: 0.50 (≤ 2.0)