

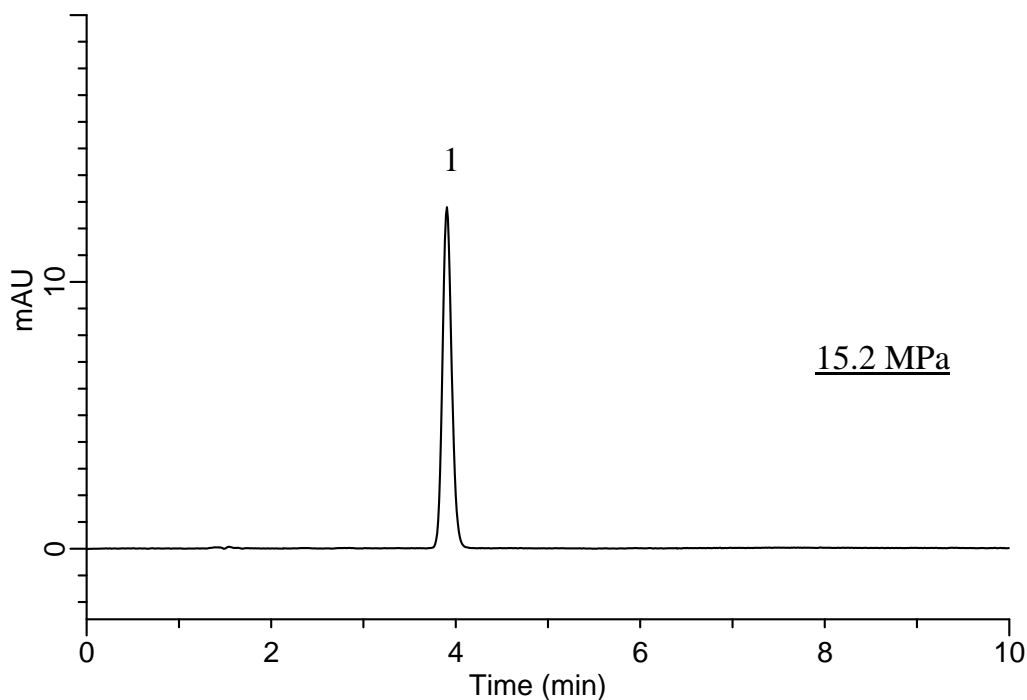
InertSearch™ for LC

Inertsil® Applications

Analysis of Fluconazole

(Under the Condition of the Japanese Pharmacopoeia, Fluconazole Capsules)

Data No. LB407-0919



Conditions

System : GL7700 HPLC system
Column : Inertsil WP300 C18
(4 μ m, 150 x 3.9 mm I.D.)
Column Cat. No. : 5020-89606
Eluent : A) CH₃OH
B) CH₃CN
C) 0.82 g/L Sodium acetate anhydrous in H₂O
(pH 5.0, CH₃COOH)
A/B/C = 20/10/70, v/v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 35 °C
Detection : UV 261 nm (PD7752 PDA Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Fluconazole 50 mg/L

Theoretical plates : 7,355 (\geq 3,000)
Tailing factor : 1.13 (\leq 1.5)
RSD of the
peak area (n=6) : 0.17 (\leq 1.0)