

CoreFocus
Report
No.290

LC

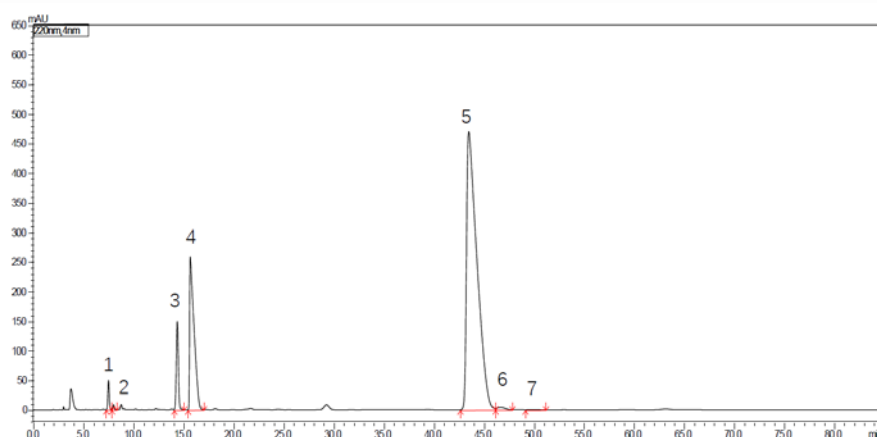
Reversed-phase

Shim-pack Series

Shim-pack™ VP-ODS

Analysis of Cefoperazone Sodium and Sulbactam Sodium for Injection

Keywords: β -lactam antibiotics, antibacterial drug



- 1 Impurity A
 - 2 Penicillamine
 - 3 Impurity C
 - 4 Sulbactam
 - 5 Cefoperazone
 - 6 Unknown Impurity
 - 7 Impurity S
- (Cefoperazone and Sulbactam in mobile phase (4 mg/mL))

Column	: Shim-pack VP-ODS (250 x 4.6 mm I.D., 5 μ m), P/N : 228-34937-92
Mobile phase	: A) 5 mmol/L Tetrabutylammonium hydroxide (40% Tetrabutylammonium hydroxide 6.6 mL + 1800 mL water → adjusting to pH 4.0 with 1 mol/L Phosphoric acid → total volume 2000 mL by dilution of water) B) Acetonitrile A/B = 76/24
Flow rate	: 1.0 mL/min
Column temp.	: 30°C
Injection vol.	: 10 μ L
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV 220 nm

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