

CoreFocus Report

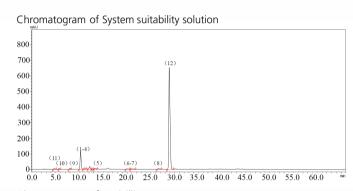
No.28

LC Reversed-phase **Shim-pack Series**

Shim-pack™ GIS C18

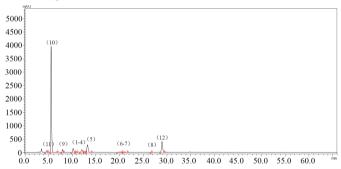
Analysis of Penicillin Sodium related substances

Keywords: β-lactam antibiotics, antifungal drug



Impurity E Impurity I Impurity F 8. 9. Impurity J Impurity D Impurity G 10 Penicillin (4mg/mL in Water)





Column : Shim-pack GIS C18 (250 x 4.6 mm I.D., 5 µm) P/N: 227-30106-08

: A) Phosphoric Buffer (10.6 g Potassium dihydrogen phosphate + 1000 mL water) Mobile phase

containing Potassium hydroxide (pH 3.4): Methanol = 72:14

Gradient program 13.5 %B(0 min-14.5 min) - 36%B(38.5 min-50.5 min) - 13.5%B(51.5 min-62.5 min)

Column temp. : 34°C : 20 µL Injection vol.

LabTotalTM Vial for LC/LCMS, P/N: 227-34001-01 Vial

: UV at 225 nm Detection

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