

**CoreFocus**  
**Report**  
**No.26**

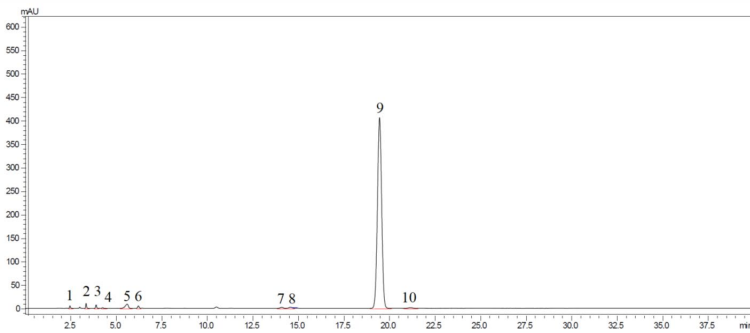
LC Reversed-phase Shim-pack Series

**Shim-pack™ Velox PFPP**

**Analysis of Nimodipine API final product**

**Keywords: calcium channel blocker**

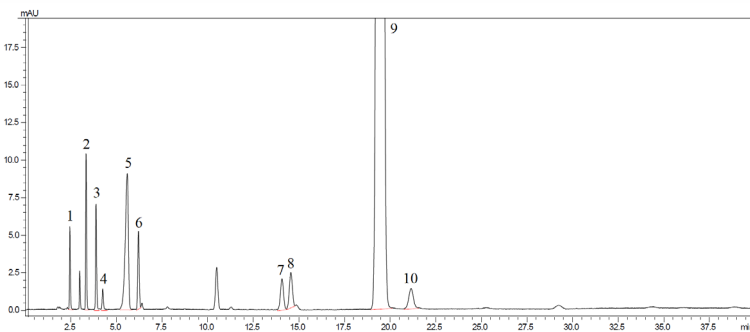
Chromatogram of Standard Mix



1. Impurity J
2. Impurity 6
3. Impurity I
4. Impurity 3
5. Impurity 2
6. Impurity H
7. Impurity L
8. Impurity 5
9. Nimodipine
10. Impurity K

System suitability solution  
Nimodipine API final product test in  
Mobile phase (0.2mg/mL)  
Impurity (3, 6) in Mobile phase  
(Unknown concentration)  
Impurity (expect 3, 6) in Mobile phase  
(1.0µg/mL)

Enlarged Chromatogram of Standard Mix



Column	: Shim-pack Velox PFPP (250 mm x 4.6 mm I.D., 5 µm) P/N: 227-32024-04
Mobile phase	: A) 0.02 mol/L Potassium dihydrogen phosphate containing Potassium hydroxide (pH 6.0) B) Acetonitrile A: B = 60 : 40
Flow rate	: 1.0 mL/min (Isocratic elution)
Column temp.	: 40°C
Injection vol.	: 20 µL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 235 nm

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