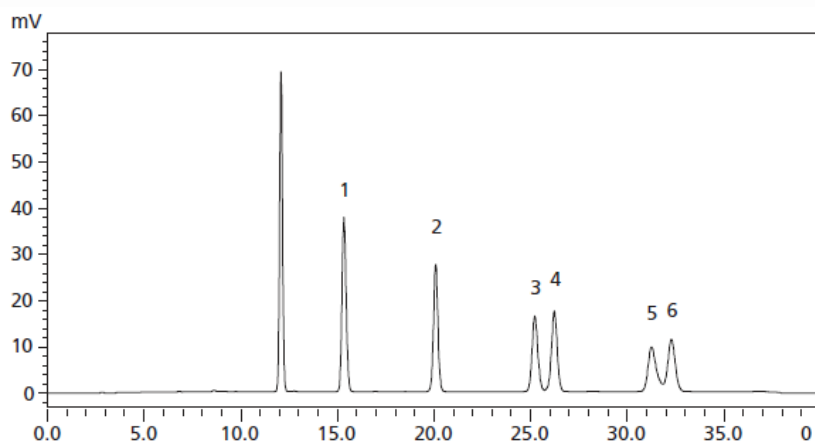


CoreFocus
Report
No.236

LC Reversed-phase Shim-pack™ Series

Shim-pack Scepter™ PFPP-120
Simultaneous Analysis of Six DNPH-
Derivatized Aldehydes

Keywords: precolumn derivatization



1. Acetaldehyde
2. Propionaldehyde
3. *n*-Butyraldehyde
4. *iso*-Butyraldehyde
5. *iso*-Valeraldehyde
6. *n*-Valeraldehyde

Column	: Shim-pack Scepter PFPP-120 (150 mm x 4.6 mm I.D., 3 μm), P/N : 227-31057-05
Mobile phase	: A) Water B) Methanol/Acetonitrile = 8/2 (v/v)
Time program	: B conc. 20 % (0 min) → 55 % (5 min) → 60 % (25 min) → 60 % (25-35 min) → 20 % (35-40 min)
Flow rate	: 1.0 mL/min
Column temp.	: 35 °C
Detection	: UV 360 nm
Injection vol.	: 20 μL

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