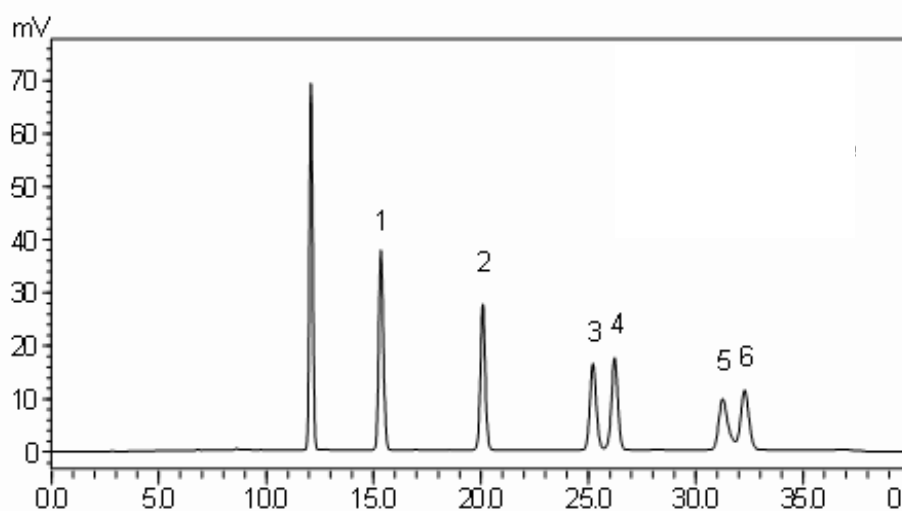


CoreFocus
Report
No.129

LC Reversed-phase Shim-pack™ Series

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

Keywords: odor, atmosphere, derivatization



1. Acetaldehyde,
2. Propionaldehyde
3. n-Butyraldehyde
4. iso-Butyraldehyde
5. iso-Valeraldehyde
6. n-Valeraldehyde
(1.0 µg/mL each)

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

Source : Application News L533 ([JP_ENG](#))

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