

Determination of Paracetamol and by-products

Method
HPLC

VPH0025J
RP Mode

Column: ProntoSIL 120-5 C8 ace-EPS, 250 x 3.0 mm ID

Order No. 25CF08APSJ

Phase: ProntoSIL 120-5 C8 ace-EPS

Conditions:

Eluent:	A: Acetonitrile	B: Water (pH 2.75 with H ₃ PO ₄)
Gradient:	0 – 0.65 min 10% A	
	0.65 – 6.4 min 10% - 60% A	
	6.4 – 10.4 min 60% A	
	10.4 - 12 min 60% - 10% A	
Flow rate:	1.3 ml/min	
Temperature:	50 °C	
Volume:	5µl	

Detection: UV at 245 nm

Substances: Paracetamol, N-(2-hydroxyphenyl)acetamide, N-(4-hydroxyphenyl)propanamide, N-phenylacetamide, Chloracetanilide, 1-(4-hydroxyphenyl)ethanone oxime, 1-(2-hydroxyphenyl)ethanone, 4-Aminophenol, 4-Nitrophenol

Keywords: Paracetamol , Drugs

Chromatogram:

1. 4-Aminophenol
2. Paracetamol
3. N-(2-hydroxyphenyl)acetamide
4. N-(4-hydroxyphenyl)propanamide
5. N-phenylacetamide
6. 1-(4-hydroxyphenyl)ethanone oxime
7. 1-(2-hydroxyphenyl)ethanone
8. Chloracetanilide
9. 4-Nitrophenol

