

Verapamil Hydrochloride Related Substance HPLC Analysis (HP-EUR) on Luna 5u C8(2) 150 x 4.6mm ID

Column: Luna® 5 µm C8(2) 100 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4249-E0

Elution Type: Gradient

Eluent A: 6.97g/l K₂HPO₄ buffer pH=7.2

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	63	37
	2	22	63	37
	3	27	35	65
	4	35	35	65
	5	36	63	37
	6	50	63	37

Flow Rate: 2 mL/min

Col. Temp.: 25 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 278 nm (ambient)

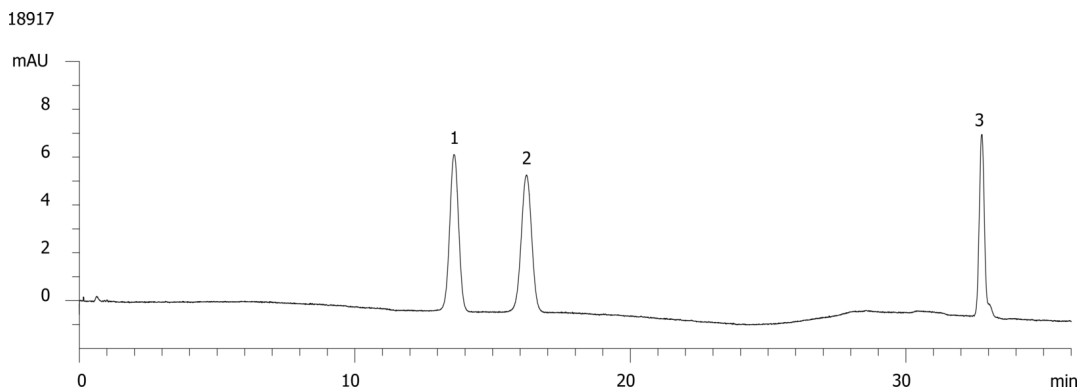
Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C8 4 x 3.0mm ID, 10/Pk Part No.: AJ0-4290

- Holder Part No.: KJ0-4282



Products used in this application:



ANALYTES:

1 Verapamil hydrochloride

Retention Time: 13.61 min

2 Verapamil hydrochloride impurity I

Retention Time: 16.232 min

3 Verapamil hydrochloride impurity M

Retention Time: 32.75 min

