

## 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)

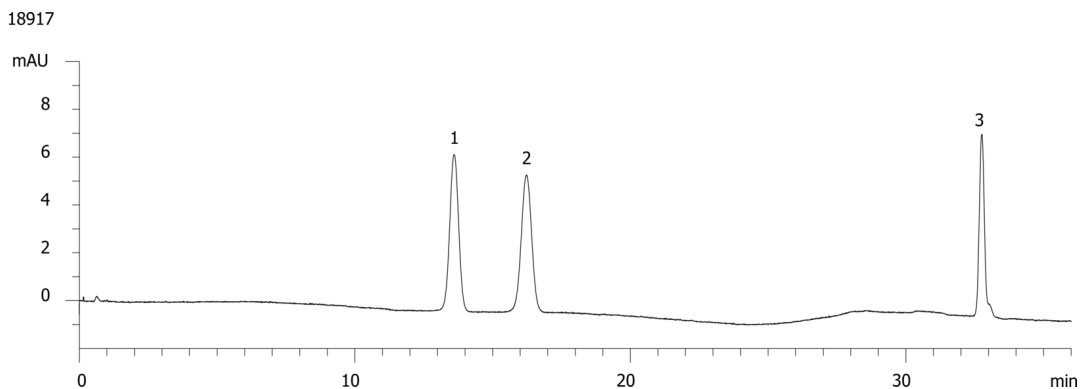
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- 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:

- Verapamil hydrochloride  
Retention Time: 13.61 min
- Verapamil hydrochloride impurity I  
Retention Time: 16.232 min
- Verapamil hydrochloride impurity M  
Retention Time: 32.75 min

