

# HPLC Application

ID No.: 19565

## USP Loratadine with two related compounds (A&B) on Luna 3µm C18(2) 150x4.6mm

**Column:** Luna® 3 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4251-E0

**Elution Type:** Gradient

**Eluent A:** 0.96g 1-pentaesulfonic acid sodium salt in 1-L buffered to 3.00 with Phosphoric Acid

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	75	25
	2	20	50	50
	3	30	40	60
	4	35	30	70
	5	45	30	70
	6	50	75	25

**Flow Rate:** 1.2 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

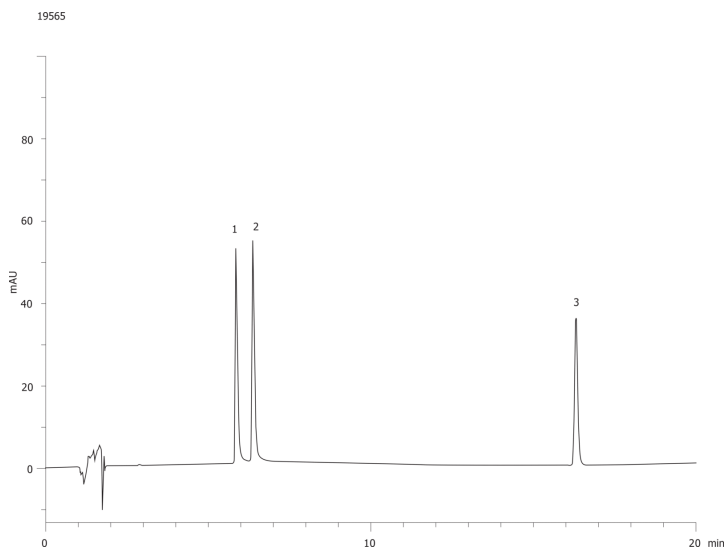
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C18 4 x 3.0mm ID, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1 Loratadine related compound A
- 2 Loratadine related compound B
- 3 Loratadine

