

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

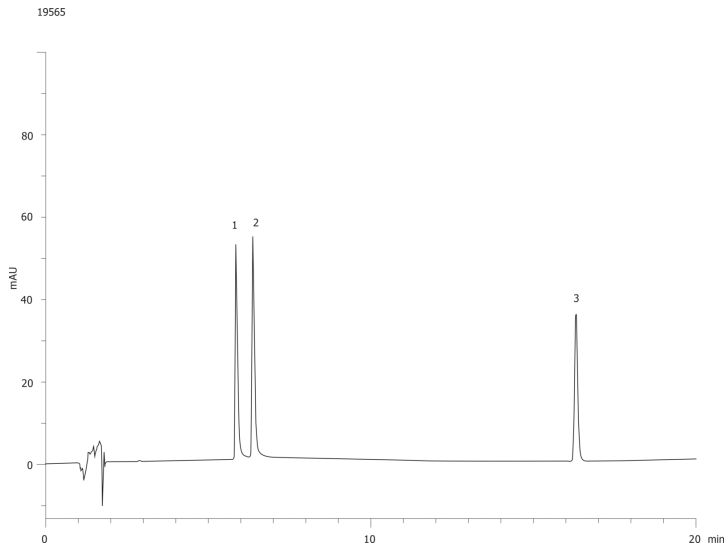
**Column:** Luna® 3 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea  
**Dimensions:** 150 x 4.6 mm ID  
**Order No:** 00F-4251-E0  
**Elution Type:** Gradient  
**Eluent A:** 0.96g 1-pentaesulfonic acid sodium salt in 1-L buffered to 3.00 with Phosphoric Acid  
**Eluent B:** Acetonitrile

| 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

