

## Ranitidine Standard on HPLC -Kinetex 2.6µm C18 100x4.6mm - Method ruggedness

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 100 x 4.6 mm, Ea

**Dimensions:** 100 x 4.6 mm ID

**Order No:** 00D-4462-E0

**Elution Type:** Gradient

**Eluent A:** 98:2 40mM Potassium Phosphate pH 7.1:ACN

**Eluent B:** 78:22 40mM Potassium Phosphate pH 7.1:ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	10	0	100

**Flow Rate:** 1.5 mL/min

**Col. Temp.:** 35 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (ambient)

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

- SecurityGuard ULTRA Cartridges, UHPLC C18 for 4.6mm ID Columns, 3/Pk Part No.: AJ0-8768

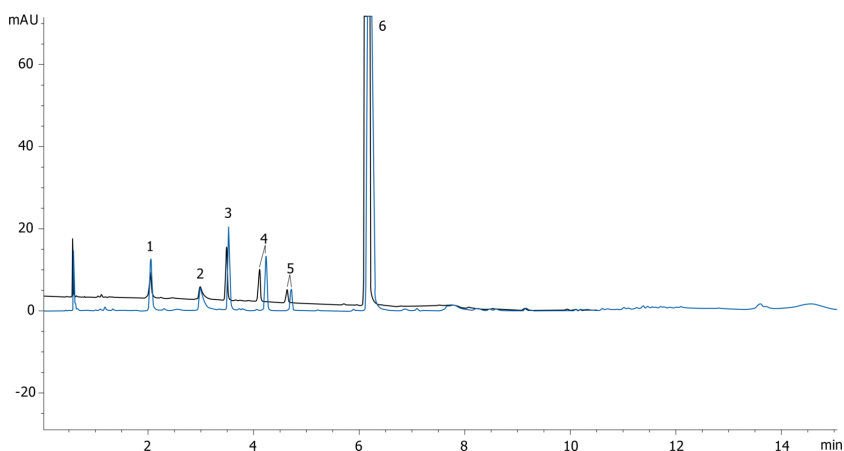
- Holder Part No.: AJ0-9000



Products used in this application:



19540



### ANALYTES:

- 1** Ranitidine amino alcohol hemifumarate  
Retention Time: 2.037 min
- 2** Ranitidine diamine hemifumarate (impurity A)  
Retention Time: 2.982 min
- 3** Ranitidine S-oxide (impurity C)  
Retention Time: 3.485 min
- 4** Ranitidine N-oxide  
Retention Time: 4.109 min
- 5** Ranitidine complex nitroacetamide  
Retention Time: 4.632 min
- 6** Ranitidine (hydrochloride salt)  
Retention Time: 6.141 min

