

HPLC Application

ID No.: 26206

Sildenafil Citrate and Sildenafil N-Oxide USP System Suitability Solution on Kinetex 5 µm C18 150x4.6mm LC/UV

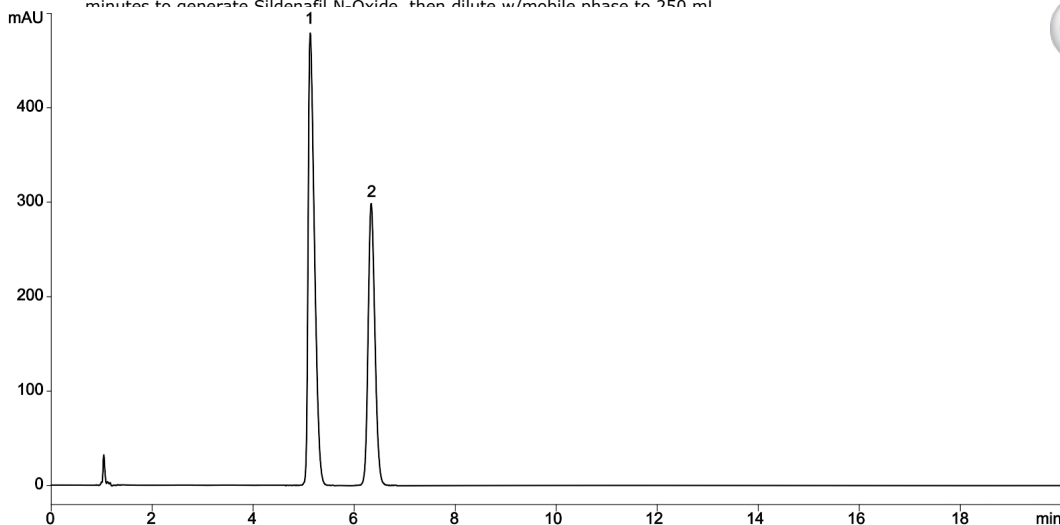
Column: Kinetex® 5µm C18 100 Å, LC Column 150 x 4.6 mm, Ea
Dimensions: 150 x 4.6 mm ID
Order No: 00F-4601-E0
Elution Type: Isocratic
Eluent A: Buffer (dilute 7 mL of triethylamine with water to 1 L. Stir and adjust with
Gradient

Step No.	Time (min)	Pct A
1	20	100

Flow Rate: 1.4 mL/min
Col. Temp.: 30 °C
Detection: LC/UV (DAD, PDA) @ 290.000000000 nm (nanometers) (30 °C)
Analyst Note: Dissolve 70 mg of Sildenafil Citrate in 1 mL of a solution of hydrogen peroxide and anhydrous formic acid (2:1). Allow to stand for at least 10 minutes to generate Sildenafil N-Oxide, then dilute w/mobile phase to 250 mL



Products used in this application:



ANALYTES:

- 1 Sildenafil citrate
Retention Time: 5.126 min
- 2 Sildenafil N-Oxide
Retention Time: 6.327 min