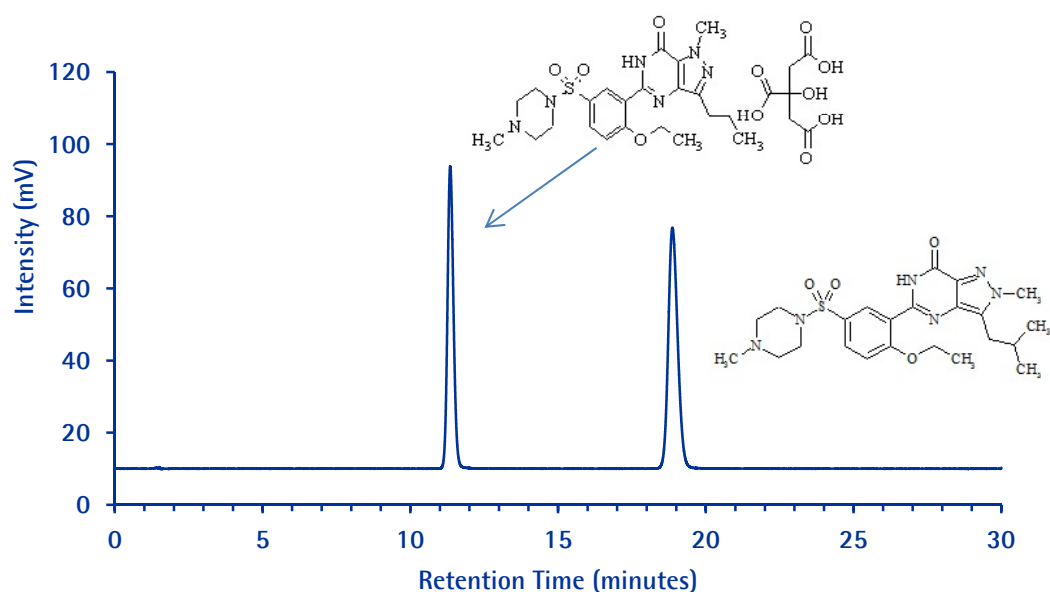


Sildenafil Citrate and Related Substances (USP)

Purospher® STAR RP-18 endcapped

Chromatographic Conditions

Column:	Purospher® STAR RP-18 endcapped (3µm) Hibar® RT 150x4.6 mm	1.50470.0001
Injection:	20 µL	
Detection:	UV 290 nm	
Cell:	13 µL	
Flow Rate:	1.0 mL/min	
Mobile Phase:	Buffer: 7 mL of triethylamine to total 1L water. Adjust with phosphoric acid to a pH=3.0±0.1 Mix the buffer, methanol and acetonitrile 58:25:17 (v/v)	
Temperature:	30°C	
Diluent	Mobile phase	
Sample:	Sildenafil Citrate RS 28ppm, Sildenafil Related compound A 28ppm in diluent	
Pressure Drop:	217 Bar (3146.5 psi)	



Chromatographic Data

No.	Compound	Retention Time (min)	Retention factor K°	Asymmetry
1	T0	1.4	-	-
2	Sildenafil Citrate RS	11.3	7.1	1.1
3	Sildenafil Related compound A	18.8	12.4	1.1