



## Certificate of Analysis Sildenafil Citrate USP

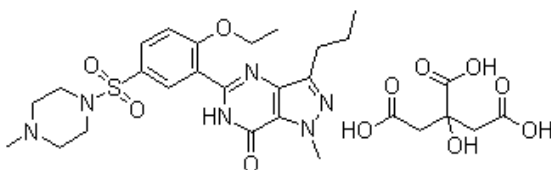
CAS # 171599-83-0

MF # C<sub>28</sub>H<sub>38</sub>N<sub>6</sub>O<sub>11</sub>S

MW # 666.70

Batch # SP/07/19/147

Code # 1877



**Mfg Date: 08/2019**  
**Retest Date: 07/2024**  
**Country of Origin: India**

### TEST

Appearance

Solubility

Identification by  
IR

Limit of Imidazole by TLC  
Related Substance by HPLC

Impurity A

Any Other Unspecified

Individual Impurity

Total Unspecified Impurities

Total Impurities

Water Content by KF

Residue on Ignition

Residual solvents by GC

Methanol

Ethyl acetate

Acetone

### SPECIFICATION

White or almost white slightly Hygroscopic crystalline powder

Slightly soluble in water and in Methanol, practically insoluble in Hexane.

The infrared absorption spectrum of the potassium bromide dispersion of the sample preparation should be exhibit maxima only at the same wave numbers as that of a similar preparation of Sildenafil citrate working standard /Reference standard

≤ 0.1%

≤ 0.3%

≤ 0.1%

≤ 0.3%

≤ 0.5%

≤ 2.5%

≤ 0.1%

≤ 3000ppm

≤ 5000ppm

≤ 5000ppm

### RESULT

White slightly Hygroscopic crystalline powder

Complies

Complies

Complies

Not Detected

Not Detected

Not Detected

Not Detected

1.69%

0.03%

Complies

Complies

14ppm



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Methylenechloride	$\leq 600\text{ppm}$	Complies
Toluene	$\leq 890\text{ppm}$	Complies
Assay by HPLC (On Anhydrous and solvent free Basis)	$\geq 98.0\%$ and $\leq 102.0\%$	100.0%

This product complies with USP Specification