CERTIFICATE OF ANALYSIS

(Certificate No. KMS002044-01)

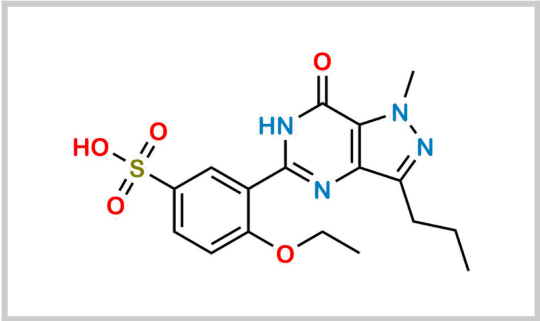
Release Date: 27/10/2026 **Re-test Date:** 26/10/2029

Sildenafil EP Impurity D

Identification

Chemical Name :
4-Ethoxy-3-(1-methyl-7-oxo-3-propyl-6,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonic acid (as per EP)

Alt. Name	: Desmethylpiperazinyl Sildenafil Sulfonic Acid
CAT No.	: KMS002044
CAS No.	: 1357931-55-5
Molecular Formula	: C17H20N4O5S
Molecular Weight	: 392.4



Analytical Information

Batch No.	: SIL-IMP-D-045-303	**Solubility**	: Acetonitrile
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.70 %	**IR**	: Confirm
Weight Loss By TGA	: 4.72 %	**1H NMR**	: Confirm
% Potency	: 94.99 %		

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 4.72(Weight Loss By TGA)] x [99.70(HPLC Purity)]/100 = 94.99 %
-Re-tested on 27.10.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		27/10/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA