CERTIFICATE OF ANALYSIS

(Certificate No. KMV002001-01)

Release Date: 25/01/2024 **Re-test Date:** 24/01/2027

N-Nitroso Verapamil EP Impurity J

Identification

Chemical Name :
N-(4-cyano-4-(3,4-dimethoxyphenyl)-5-methylhexyl)-N-(3,4-dimethoxyphenethyl)nitrous amide (Mixture of E/Z Isomers)

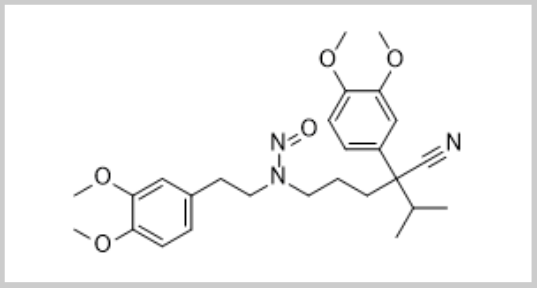
Alt. Name : N-Nitroso Verapamil EP Impurity J

CAT No. : KMV002001

CAS No. : Not Available

Molecular Formula : C26H35N3O5

Molecular Weight : 469.57



Analytical Information

Batch No.	: VER-EP-J-NO-073-045	**Solubility**	: Acetonitrile
Description	: Light Yellow Thick Syrup	**Mass**	: Confirm
HPLC Purity	: 99.51 %	**IR**	: Confirm
Weight Loss By TGA	: 3.34 %	**1H NMR**	: Confirm
% Potency	: 96.19 %	**13C NMR**	: Confirm

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 - 3.34(Weight Loss By TGA)] x [99.51(HPLC Purity)]/100 = 96.19 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh patel		
Reviewed & Approved By	Quality Control	Jatin patel		

Attachments : COA, SER, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA