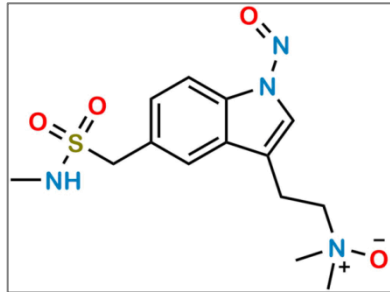


Analysis Date: 03-10-2025

Re-test Date: 03-10-2028

## N-NITROSO SUMATRIPTAN EP IMPURITY D

### Identification

<b>Chemical Name</b>	: N,N-Dimethyl-2-(5-((N-methylsulfamoyl)methyl)-1-nitroso-1H-indol-3-yl)ethan-1-amine oxide	
<b>CAT No</b>	: ALL-SUM-48	
<b>CAS No</b>	: N.A.	
<b>Molecular Formula</b>	: C <sub>14</sub> H <sub>20</sub> N <sub>4</sub> O <sub>4</sub> S	
<b>Molecular Weight</b>	: 340.4	

### Analytical Information

<b>Batch No.</b>	: ALL-SUM-48	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.26%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.275%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.476%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.275 + 0.476) \times 98.00] / 100 = 97.26\%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office