

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS006002-01)

Release Date: 29/12/2023

Re-test Date: 28/12/2026

## N-Nitroso Desmethyl Sumatriptan

### Identification

**Chemical Name :**

N-methyl-1-(3-(2-(methyl(nitroso)amino)ethyl)-1H-indol-5-yl)methanesulfonamide (Mixture of E/Z Isomer)

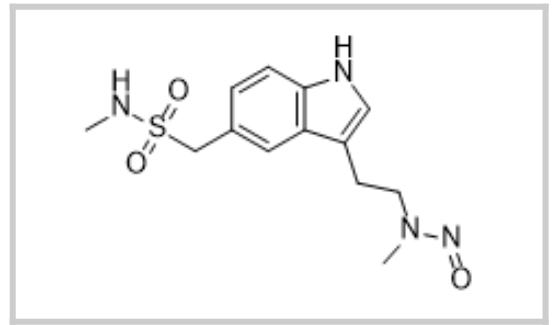
**Alt. Name** : N-Nitroso Sumatriptan EP Impurity B

**CAT No.** : KMS006002

**CAS No.** : Not Available

**Molecular Formula** : C<sub>13</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>S

**Molecular Weight** : 310.37



### Analytical Information

**Batch No.** : SUM-EPB-NO-073-012

**Solubility** : ACN

**Description** : Light Yellow Sticky Solid

**Mass** : Confirm

**HPLC Purity** : 98.63 %

**IR** : Confirm

**Weight Loss By TGA** : 0.67 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 97.97 %

**<sup>13</sup>C 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 - 0.67(Weight Loss By TGA)] x [98.63(HPLC Purity)]/100 = 97.97 %

Remarks : COA Re-generated on 28.06.2024

-Mixture of Isomer

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/06/2024
Reviewed & Approved By	Quality Control	Jatin Patel		28/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA