

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP005001-01)

Release Date: 28/03/2024

Re-test Date: 27/03/2027

## N-Nitroso Desmethyl Promethazine

### Identification

**Chemical Name :**

N-(1-(10H-phenothiazin-10-yl)propan-2-yl)-N-methylnitrous amide (Mixture of E/Z Isomer)

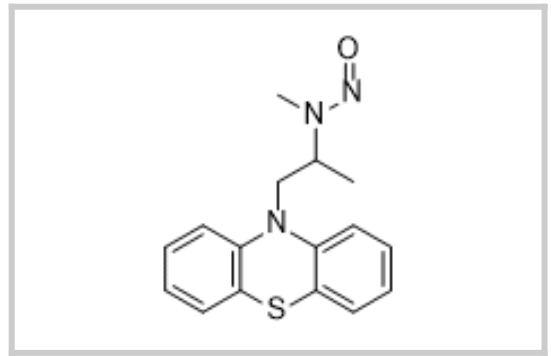
**Alt. Name** : N-Nitroso Promethazine EP Impurity C

**CAT No.** : KMP005001

**CAS No.** : 94511-44-1

**Molecular Formula** : C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>S

**Molecular Weight** : 299.39



### Analytical Information

**Batch No.** : PRO-EPC-NO-073-117

**Solubility** : ACN

**Description** : Light Brown Solid

**Mass** : Confirm

**HPLC Purity** : 99.92 %

**IR** : Confirm

**Weight Loss By TGA** : 0.07 %

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

**% Potency** : 99.85 %

**<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 - 0.07(Weight Loss By TGA)] x [99.92(HPLC Purity)]/100 = 99.85 %  
-Mixture of Isomers

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		18/04/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		18/04/2024

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