

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD001002-01)

Release Date: 18/03/2024

Re-test Date: 17/03/2027

## N-Nitroso Desmethyl Dextromethorphan

### Identification

**Chemical Name :**

(4bS,8aS,9S)-3-methoxy-11-nitroso-6,7,8,8a,9,10-hexahydro-5H-9,4b-(epiminoethano)phenanthrene

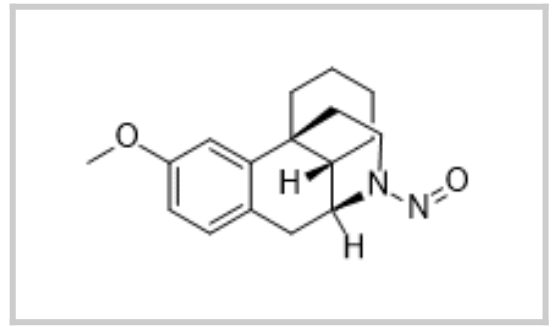
**Alt. Name** : N-Nitroso Dextromethorphan EP  
Impurity A

**CAT No.** : KMD001002

**CAS No.** : Not Available

**Molecular Formula** : C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 286.37



### Analytical Information

**Batch No.** : DEX-DES-NO-073-121

**Description** : Light Yellow Semi Solid

**HPLC Purity** : 99.78 %

**Weight Loss By TGA** : 2.06 %

**% Potency** : 97.72 %

**Solubility** : ACN : Water (1:1)

**Mass** : Confirm

**IR** : Confirm

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

**<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** =  $[100 - 2.06(\text{Weight Loss By TGA})] \times [99.78(\text{HPLC Purity})]/100 = 97.72 \%$

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/04/2024

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