

# **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

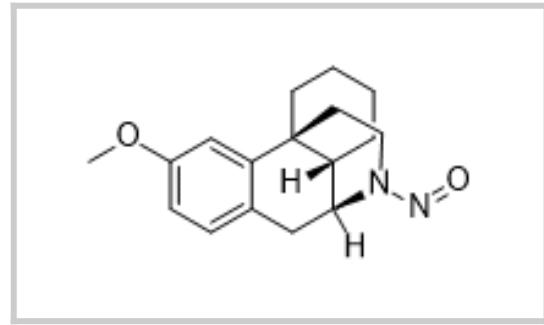
**Alt. Name** : N-Nitroso Dextromethorphan EP  
Impurity A

**CAT No.** : KMD001002

**CAS No.** : Not Available

**Molecular Formula** : C17H22N2O2

**Molecular Weight** : 286.37



### **Analytical Information**

<b>Batch No.</b>	: DEX-DES-NO-073-121	<b>Solubility</b>	: ACN : Water (1:1)
<b>Description</b>	: Light Yellow Semi Solid	<b>Mass</b>	: Confirm
<b>HPLC Purity</b>	: 99.78 %	<b>IR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 2.06 %	<b>1H NMR</b>	: Confirm
<b>% Potency</b>	: 97.72 %	<b>13C NMR</b>	: 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(Weight Loss By TGA)] x [99.78(HPLC Purity)]/100 = 97.72 %  
-13C NMR added on 02.02.2026

**Recommendation** : Released

	<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Analytical	Jignesh Patel		04/02/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		04/02/2026

**Attachments** : COA, HPLC, MASS, 1HNMR, 13C NMR, IR and TGA