

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD001001-01)

Release Date: 26/08/2023

Re-test Date: 25/08/2026

## Dextromethorphan N-Oxide

### Identification

**Chemical Name :**  
(9 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ )- 3-Methoxy-17-methylmorphinan 17-oxide

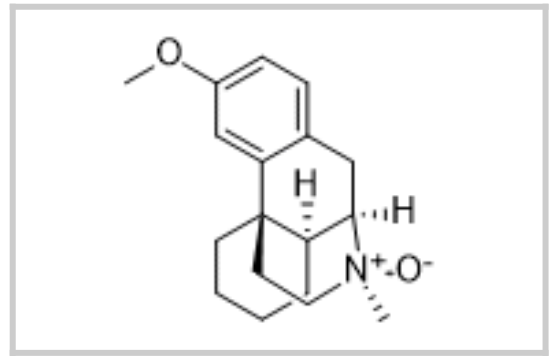
**Alt. Name** : Dextromethorphan N-Oxide Impurity

**CAT No.** : KMD001001

**CAS No.** : 1177494-18-6 (free base)

**Molecular Formula** : C<sub>18</sub>H<sub>25</sub>NO<sub>2</sub>

**Molecular Weight** : 287.4



### Analytical Information

**Batch No.** : DEX-N-OXIDE-011-065

**Description** : Light Yellow Thick Syrup

**HPLC Purity** : 95.78 % \*

**Weight Loss By TGA** : 3.82 % \*

**% Potency** : 92.12 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 3.82(Weight Loss By TGA)] x [95.78(HPLC Purity)]/100 = 92.12 %

\* Retested on 26/08/2023

-As per client request description changed on 02.02.2024

-chemical name corrected on 07.10.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh patel		07/10/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin patel		07/10/2024

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