

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT010003-01)

Release Date: 26/07/2023

Re-test Date: 25/07/2026

## N-Nitroso N-Desmethyl Tramadol

### Identification

**Chemical Name :**

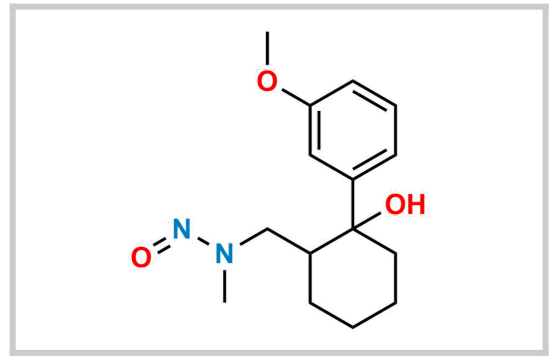
N-((2-Hydroxy-2-(3-methoxyphenyl)cyclohexyl)methyl)-N-methylnitrous amide (Mixture of E/z Isomer)

CAT No. : KMT010003

CAS No. : Not Available

Molecular Formula : C<sub>15</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 278.4



### Analytical Information

Batch No. : TRA-N-NO-045-214

Description : Light Yellow Thick Syrup

HPLC Purity : 98.41 %

Weight Loss By TGA : 2.63 %

% Potency : 95.82 %

Solubility : Acetonitrile

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 =  $[100 - 2.63(\text{Weight Loss By TGA})] \times [98.41(\text{HPLC Purity})]/100 = 95.82 \%$

Remarks : COA Re-generated on 22.10.2024

-Mixture of Isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/10/2024

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