

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMM159003-01)

**Release Date:** 23/04/2025

**Re-test Date:** 22/04/2028

## **N-Nitrosomorpholine**

### **Identification**

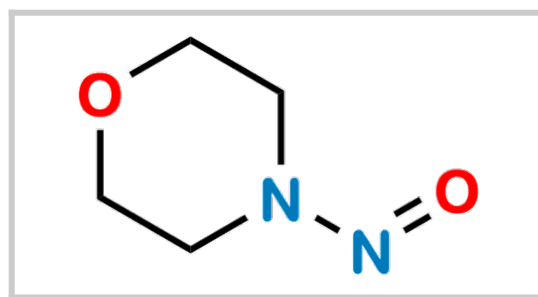
**Chemical Name :**  
4-nitrosomorpholine

**CAT No.** : KMM159003

**CAS No.** : 59-89-2

**Molecular Formula** : C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 116.1



### **Analytical Information**

**Batch No.** : NNM-045-059

**Description** : Pale Yellow Liquid

**HPLC Purity** : 99.88 %

**Weight Loss By KF** : 0.63 %

**% Potency** : 99.25 %

**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 - 0.63(Weight Loss By KF)] x [99.88(HPLC Purity)]/100 = 99.25 %

-Re-tested on 23.04.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		06/05/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and KF