

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMN001017-02)

**Release Date:** 09/12/2025

**Re-test Date:** 08/12/2028

## **N-Methyl-N-Nitrosopiperazine**

### **Identification**

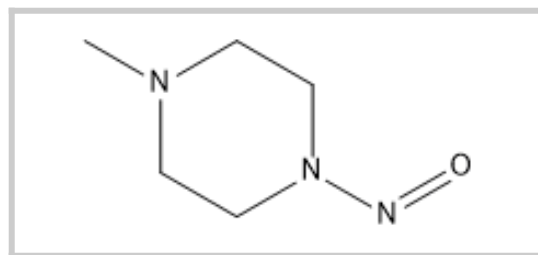
**Chemical Name :**  
1-methyl-4-nitrosopiperazine

**CAT No.** : KMN001017

**CAS No.** : 16339-07-4

**Molecular Formula** : C<sub>5</sub>H<sub>11</sub>N<sub>3</sub>O

**Molecular Weight** : 129.16



### **Analytical Information**

**Batch No.** : N001017-114-042

**Description** : Yellow liquid

**HPLC Purity** : 99.80 %

**Weight Loss By KF** : 2.02 %

**% Potency** : 97.78 %

**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 - 2.02(Weight Loss By KF)] x [99.80(HPLC Purity)]/100 = 97.78 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		11/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		11/12/2025

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