

# CERTIFICATE OF ANALYSIS

(Certificate No. KMN001006-01)

Release Date: 11/03/2024

Re-test Date: 10/03/2027

## 1-Nitrosopiperazine

### Identification

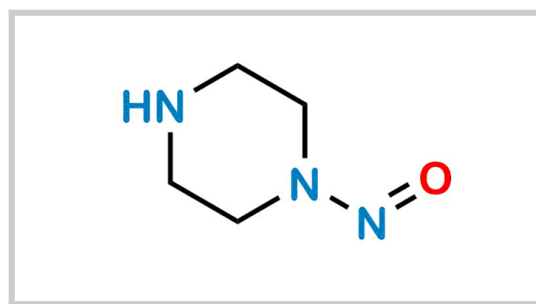
Chemical Name :  
1-nitrosopiperazine

CAT No. : KMN001006

CAS No. : 5632-47-3

Molecular Formula : C<sub>4</sub>H<sub>9</sub>N<sub>3</sub>O

Molecular Weight : 115.13



### Analytical Information

Batch No. : PIP-MONO-N-NO-073-114

Description : Off White Solid

HPLC Purity : 99.93 %

Weight Loss By TGA : 1.10 %

% Potency : 98.83 %

Solubility : ACN : Water (1:1)

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 - 1.10(Weight Loss By TGA)] x [99.93(HPLC Purity)]/100 = 98.83 %  
-<sup>13</sup>CNMR added on 07.01.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		18/01/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/01/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR IR and TGA