

# CERTIFICATE OF ANALYSIS

(Certificate No. KMN001006-02)

Release Date: 11/02/2025

Re-test Date: 10/02/2028

## N-Nitroso Piperazine

### Identification

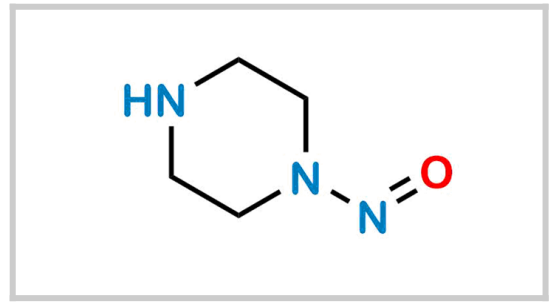
Chemical Name :  
1-nitrosopiperazine

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. : N001006-091-211

Description : Light Yellow Semi Solid

HPLC Purity : 99.92 %

Weight Loss By TGA : 2.89 %

Residue On Ignition : 2.83 %

% Potency : 94.2 %

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 - 2.83(Residue On Ignition)] x [99.92(HPLC Purity)]/100 = 94.2 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		11/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		11/02/2025

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