CERTIFICATE OF ANALYSIS

(Certificate No. KMN001007-01)

Release Date: 11/03/2024 **Re-test Date:** 10/03/2027

N, N'-dinitrosopiperazine

Identification

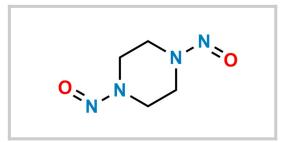
Chemical Name: 1,4-dinitrosopiperazine

CAT No. : KMN001007

CAS No. : 140-79-4

Molecular Formula : C4H8N4O2

Molecular Weight : 144.13



Analytical Information

Batch No. : PIP-DI-N-NO-073-115 **Solubility** : ACN : Water (1:1)

% Potency : 98.54 %

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 - 1.44(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 98.54 %

-13CNMR added on 29.11.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/06/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA