CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001007-01)

Release Date: 04/03/2024 **Re-test Date:** 03/03/2027

Nitrosamine Piperazine Ethanol (HEP)

Identification

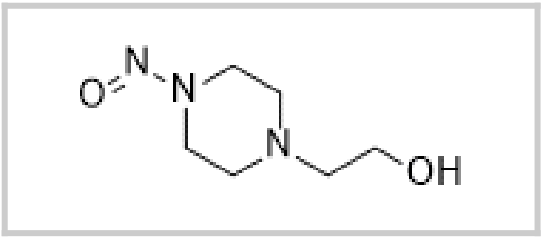
Chemical Name :
2-(4-Nitrosopiperazin-1-yl)ethan-1-ol

CAT No. : KMQ001007

CAS No. : 48121-20-6

Molecular Formula : C6H13N3O2

Molecular Weight : 159.19



Analytical Information

Batch No.	: QUE-HY-PIP-N-NO-019-139	**Solubility**	: Methanol
Description	: Light Yellow Low Melting Solid *	**Mass**	: Confirm
HPLC Purity	: 98.98 %	**IR**	: Confirm
Weight Loss By TGA	: 1.19 %	**1H NMR**	: Confirm
% Potency	: 97.8 %		

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 - 1.19(Weight Loss By TGA)] x [98.98(HPLC Purity)]/100 = 97.8 %
-Re-tested on 04.03.2024
*Physical state changed due to storage at 2-8 deg. C but no change in purity

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		30/01/2026

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