CERTIFICATE OF ANALYSIS

(Certificate No. KMC017016-01)

Release Date: 28/04/2025 **Re-test Date:** 27/04/2028

N-METHYLPIPERAZINE

Identification

Chemical Name :
1-Methylpiperazine

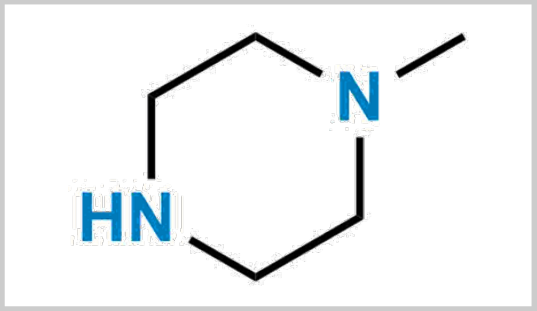
Alt. Name : Cyclizine USP Related Compound A

CAT No. : KMC017016

CAS No. : 109-01-3

Molecular Formula : C5H12N2

Molecular Weight : 100.2



Analytical Information

Batch No.	: C017016-091-326	**Solubility**	: Methanol
Description	: Colorless Liquid	**Mass**	: Confirm
GC Purity	: 98.22 %	**IR**	: Confirm
Weight Loss By KF	: 0.79 %	**1H NMR**	: Confirm
% Potency	: 97.44 %	**13C 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 - 0.79(Weight Loss By KF)] x [98.22(GC Purity)]/100 = 97.44 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		29/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		29/04/2025

Attachments : COA, GC, MASS, 1HNMR, 13CNMR, IR and TGA