CERTIFICATE OF ANALYSIS

(Certificate No. KMA008016-01)

Release Date: 21/02/2026 **Re-test Date:** 20/02/2029

E-Caprolactam Impurity

Identification

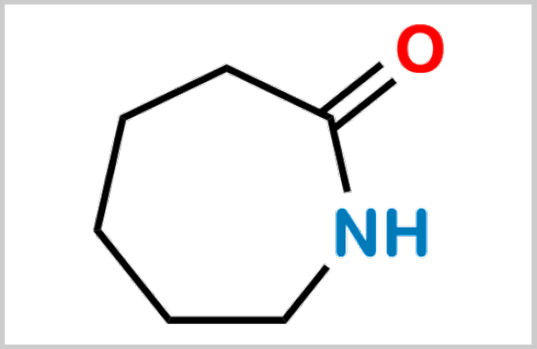
Chemical Name :
Azepan-2-one

CAT No. : KMA008016

CAS No. : 105-60-2

Molecular Formula : C6H11NO

Molecular Weight : 113.2



Analytical Information

Batch No.	: AMI-CAP-011-077	**Solubility**	: Water
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 95.89 %	**IR**	: Confirm
Weight Loss By TGA	: 0.52 %	**1H NMR**	: Confirm
% Potency	: 95.39 %		

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 - 0.52(Weight Loss By TGA)] x [95.89(HPLC Purity)]/100 = 95.39 %
Remarks : -COA Re-generated on 21.09.2024
-Re-tested on 21.02.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		23/02/2026

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