

CERTIFICATE OF ANALYSIS

(Certificate No. KMA008016-01)

Release Date: 06/03/2023

Re-test Date: 05/03/2026

Caprolactam Impurity

Identification

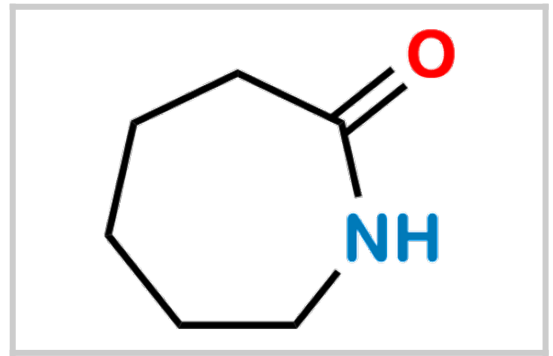
Chemical Name :
Azepan-2-one

CAT No. : KMA008016

CAS No. : 105-60-2

Molecular Formula : C₆H₁₁NO

Molecular Weight : 113.2



Analytical Information

Batch No. : AMI-CAP-011-077

Description : White Solid

HPLC Purity : 97.03 %

Weight Loss By TGA : 0.18 %

% Potency : 96.86 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 0.18(Weight Loss By TGA)] x [97.03(HPLC Purity)]/100 = 96.86 %

Remarks : -Re-tested on 06.03.2023

-COA Re-generated on 21.09.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		07/03/2025

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