

CERTIFICATE OF ANALYSIS

(Certificate No. KMA008016-01)

Release Date: 21/02/2026

Re-test Date: 20/02/2029

E-Caprolactam Impurity

Identification

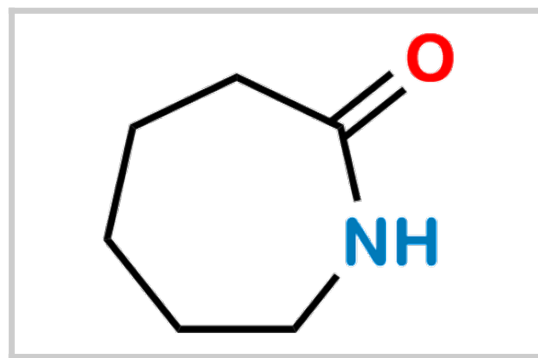
Chemical Name :
Azepan-2-one

CAT No. : KMA008016

CAS No. : 105-60-2

Molecular Formula : C₆H₁₁NO

Molecular Weight : 113.2



Analytical Information

Batch No. : AMI-CAP-011-077

Description : White Solid

HPLC Purity : 95.89 %

Weight Loss By TGA : 0.52 %

% Potency : 95.39 %

Solubility : Water

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 - 0.52(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, ¹H NMR, IR and TGA