

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMA008016-01)

**Release Date:** 06/03/2023

**Re-test Date:** 05/03/2026

## **Caprolactam Impurity**

### **Identification**

**Chemical Name :**

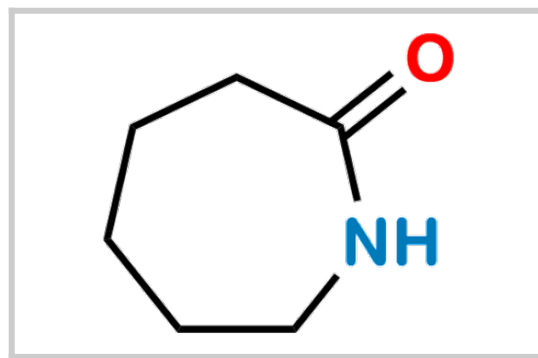
Azepan-2-one

**CAT No.** : KMA008016

**CAS No.** : 105-60-2

**Molecular Formula** : C<sub>6</sub>H<sub>11</sub>NO

**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

**<sup>1</sup>H 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, <sup>1</sup>HNMR, IR and TGA