

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMM001481-01)

**Release Date:** 16/12/2025

**Re-test Date:** 15/12/2028

## **CYCLIC NYLON-6,6-MONOMER**

### **Identification**

**Chemical Name :**

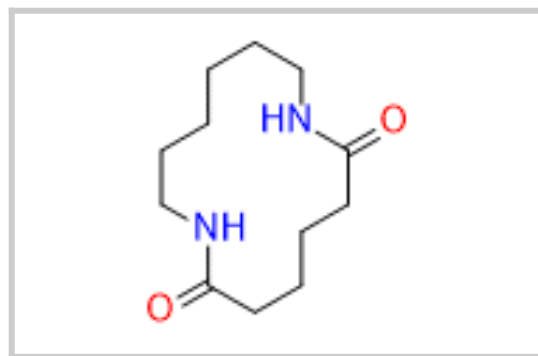
1,8-Diazacyclotetradecane-2,7-dione

**CAT No.** : KMM001481

**CAS No.** : 4266-66-4

**Molecular Formula** : C<sub>12</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 226.32



### **Analytical Information**

**Batch No.** : M001481-114-043

**Description** : White Solid

**HPLC Purity** : 99.31 %

**Weight Loss By TGA** : 0.94 %

**% Potency** : 98.38 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

**<sup>13</sup>C 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 - 0.94(Weight Loss By TGA)] x [99.31(HPLC Purity)]/100 = 98.38 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		16/12/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA