

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 :

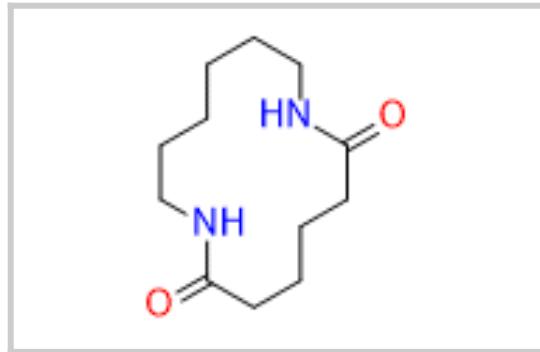
1,8-Diazacyclotetradecane-2,7-dione

CAT No. : KMM001481

CAS No. : 4266-66-4

Molecular Formula : C12H22N2O2

Molecular Weight : 226.32



Analytical Information

Batch No. : M001481-114-043

Solubility : Acetonitrile

Description : White Solid

Mass : Confirm

HPLC Purity : 99.31 %

IR : Confirm

Weight Loss By TGA : 0.94 %

1H NMR : Confirm

% Potency : 98.38 %

13C 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, 1HNMR, 13C NMR, IR and TGA