CERTIFICATE OF ANALYSIS

(Certificate No. KMG002013-01)

Release Date: 27/06/2025 **Re-test Date:** 26/06/2028

GABAPENTIN IMPURITY A

Identification

Chemical Name :
2-Azaspiro-[4,5]decan-3-one ; 3,3-Pentamethylene-5-butyrolactam ; 4,4-Pentamethylene-2-pyrrolidinone

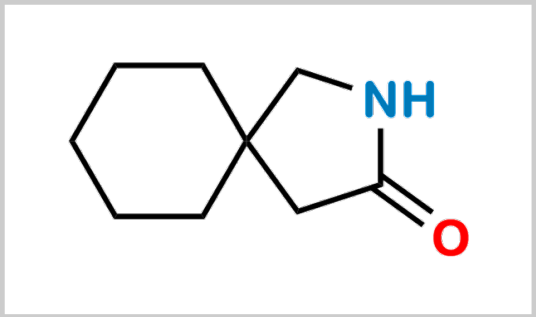
Alt. Name : Gabapentin USP Related Compound A ; Gabapentin Lactam

CAT No. : KMG002013

CAS No. : 64744-50-9

Molecular Formula : C9H15NO

Molecular Weight : 153.2



Analytical Information

Batch No. : SP-0823-122

Description : White Solid

HPLC Purity : 99.90 %

Weight Loss By TGA : 1.72 %

% Potency : 98.18 %

Solubility : DMSO and Methanol

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 - 1.72(Weight Loss By TGA)] x [99.90(HPLC Purity)]/100 = 98.18 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		27/06/2025

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