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CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2026

Re-test Date: Dec 2028

Product Name: Gabapentin EP Impurity A

Identification:

Chemical Name: 4,4-Pentamethylene-2-pyrrolidinone

Synonyms : Gabapentin USP Related
Compound A ; Gabapentin
Lactam

CAS Number : 64744-50-9

CAT Number : CP-G3001

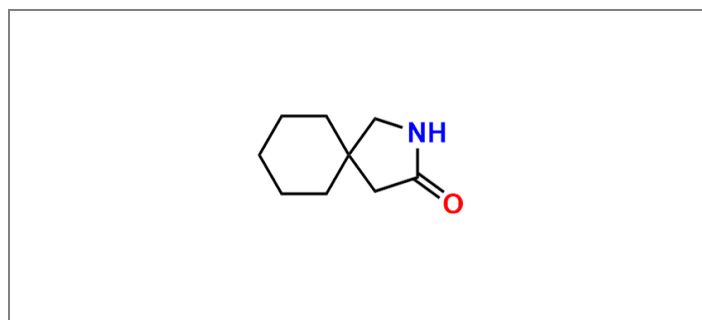
Molecular Formula : C₉H₁₅NO

Molecular Weight : 153.22

Batch Number : CHEM-GBP-A

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.86%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-

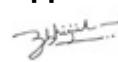


Prepared and Reviewed By



Mr. Shubham Bondre
(Quality Control)

Approved By



Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.