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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2022

Re-test Date: Jan 2025

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

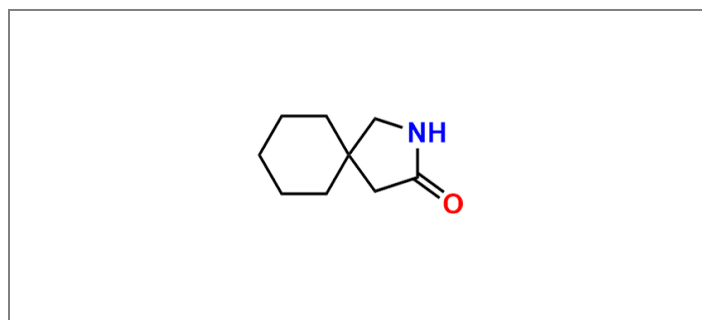
Molecular Formula : C₉H₁₅NO

Molecular Weight : 153.22

Batch Number : CP-GAB-ENA-0824

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	97.46%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

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