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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

Re-test Date: May 2028

Product Name: Chlordiazepoxide EP Impurity A

Identification:

Chemical Name: 7-Chloro-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one 4-oxide (as per EP)

Synonyms : Chlordiazepoxide USP Related
Compound A ; Demoxepam

CAS Number : 963-39-3

CAT Number : CP-C16001

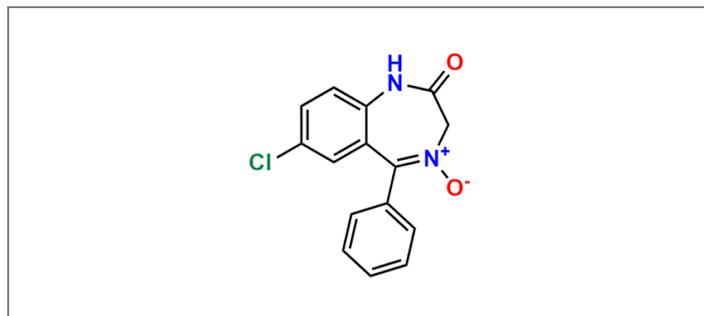
Molecular Formula : C₁₅H₁₁ClN₂O₂

Molecular Weight : 286.72

Batch Number : CP-CHO-NO-A-0625

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	Off White to Light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	96.58%
5)	¹ H NMR	Confirm to Structure
6)	Weight loss by TGA	2.041 %
7)	Potency by TGA	94.61%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

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