

CERTIFICATE OF ANALYSIS

(Certificate No. KMC014004-01)

Release Date: 04/03/2025

Re-test Date: 03/03/2028

Clobazam EP Impurity A

Identification

Chemical Name :

7-Chloro-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione (as per EP) ; 8-Chloro-1-phenyl-1,5-dihydro-2H-benzo[b][1,4]diazepine-2,4(3H)-dione (as per USP)

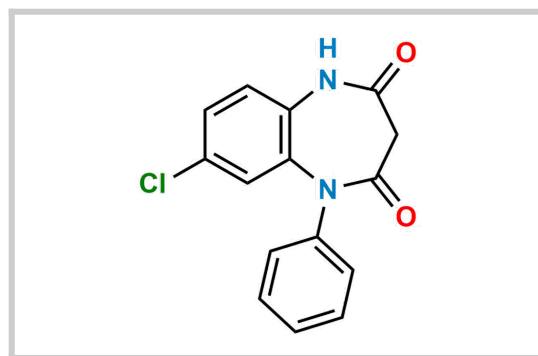
Alt. Name : Clobazam USP Related Compound A

CAT No. : KMC014004

CAS No. : 22316-55-8

Molecular Formula : C₁₅H₁₁ClN₂O₂

Molecular Weight : 286.7



Analytical Information

Batch No. : C014004-091-243

Description : Off White Solid

HPLC Purity : 98.27 %

Weight Loss By TGA : 0.52 %

% Potency : 97.76 %

Solubility : Acetonitrile

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 - 0.52(Weight Loss By TGA)] x [98.27(HPLC Purity)]/100 = 97.76 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/03/2025
Reviewed & Approved By	Quality Control	Ravi Patel		04/03/2025

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA