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)

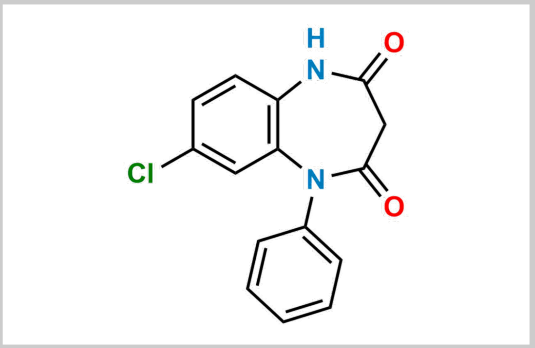
Alt. Name : Clobazam USP Related Compound A

CAT No. : KMC014004

CAS No. : 22316-55-8

Molecular Formula : C15H11ClN2O2

Molecular Weight : 286.7



Analytical Information

Batch No.	: C014004-091-243	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 98.27 %	**IR**	: Confirm
Weight Loss By TGA	: 0.52 %	**1H NMR**	: Confirm
% Potency	: 97.76 %		

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, 1HNMR, IR and TGA