

# 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)

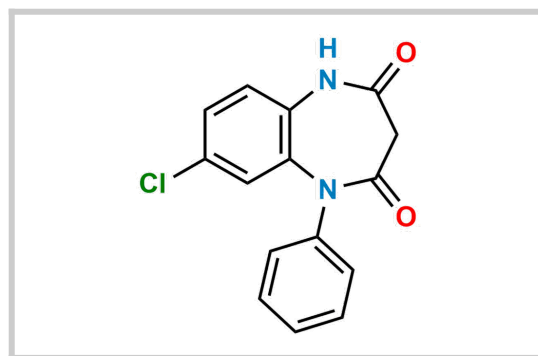
**Alt. Name** : Clobazam USP Related Compound A

**CAT No.** : KMC014004

**CAS No.** : 22316-55-8

**Molecular Formula** : C<sub>15</sub>H<sub>11</sub>ClN<sub>2</sub>O<sub>2</sub>

**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

**<sup>1</sup>H 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, <sup>1</sup>HNMR, IR and TGA