# CERTIFICATE OF ANALYSIS

(Certificate No. KMT003008-01)

**Release Date:** 14/09/2026 **Re-test Date:** 13/09/2029

## Temazepam EP Impurity H

## Identification

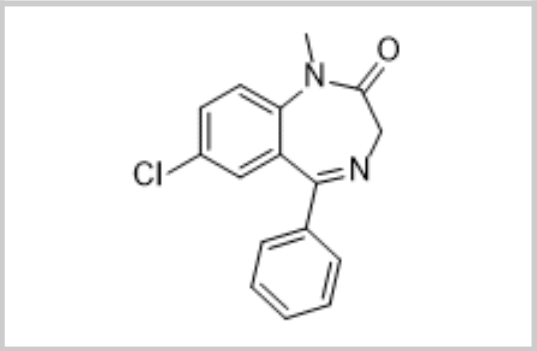
**Chemical Name** :
7-chloro-1-methyl-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one

**CAT No.** : KMT003008

**CAS No.** : 439-14-5

**Molecular Formula** : C16H13ClN2O

**Molecular Weight** : 284.74




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : TEM-DIA-045-274 | **Solubility** | : Acetonitrile |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.19 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.32 % | **1H NMR** | : Confirm |
| **% Potency** | : 98.87 % | | |

## 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 - 0.32(Weight Loss By TGA)] x [99.19(HPLC Purity)]/100 = 98.87 %
Remarks : COA Re-generated on 25.05.2024
-Re-tested on 14.09.2026

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 14/09/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 14/09/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA