# CERTIFICATE OF ANALYSIS

(Certificate No. KMT003007-01)

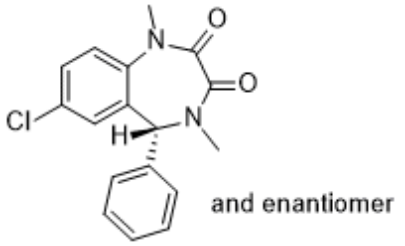
**Release Date:** 15/09/2026 **Re-test Date:** 14/09/2029

## Temazepam EP Impurity G

## Identification

**Chemical Name** :
(5RS)-7-chloro-1,4-dimethyl-5-phenyl-4,5-dihydro-1H-1,4-benzodiazepine-2,3-dione

| | |
|---|---|
| **Alt. Name** | : Temazepam USP Related Compound G |
| **CAT No.** | : KMT003007 |
| **CAS No.** | : 93329-92-1 |
| **Molecular Formula** | : C17H15ClN2O2 |
| **Molecular Weight** | : 314.77 |




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : TEM-IMP-G-045-273 | **Solubility** | : Acetonitrile |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 97.37 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.75 % | **1H NMR** | : Confirm |
| **% Potency** | : 96.64 % | | |

## 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 - 0.75(Weight Loss By TGA)] x [97.37(HPLC Purity)]/100 = 96.64 %
Remarks : COA Re-generated on 25.05.2024
-Re-tested on 15.09.2026

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 15/09/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 15/09/2026 |

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