

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMT003005-01)

**Release Date:** 16/09/2023

**Re-test Date:** 15/09/2026

## **Temazepam EP Impurity D**

### **Identification**

**Chemical Name :**

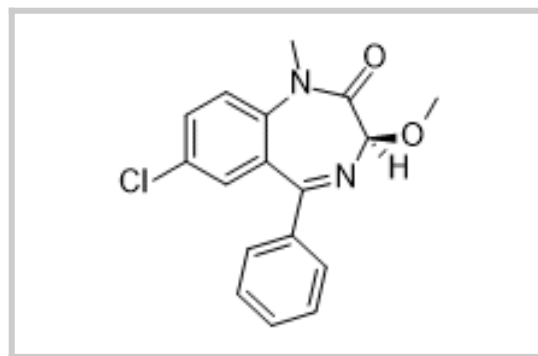
(3RS)-7-chloro-3-methoxy-1-methyl-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one

**CAT No.** : KMT003005

**CAS No.** : 17191-70-7

**Molecular Formula** : C<sub>17</sub>H<sub>15</sub>ClN<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 314.77



### **Analytical Information**

**Batch No.** : TEM-IMP-D-045-270

**Solubility** : ACN

**Description** : Light Yellow Solid

**Mass** : Confirm

**HPLC Purity** : 97.21 %

**IR** : Confirm

**Weight Loss By TGA** : 0.73 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 96.5 %

### **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 - 0.73(Weight Loss By TGA)] x [97.21(HPLC Purity)]/100 = 96.5 %

Remarks : COA Re-generated on 25.05.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		25/05/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA