

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMT003002-01)

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

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

## **Diazepam EP Impurity D**

### **Identification**

**Chemical Name :**

[5-chloro-2-(methylamino)phenyl]phenylmethanone

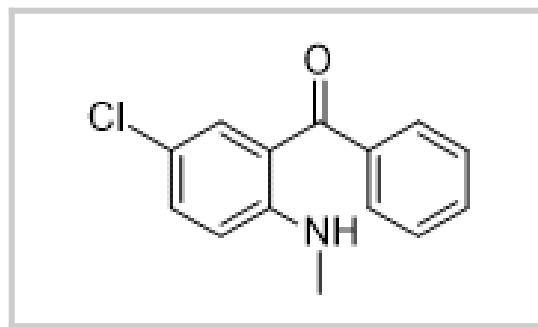
**Alt. Name** : Temazepam USP Related Compound A

**CAT No.** : KMT003002

**CAS No.** : 1022-13-5

**Molecular Formula** : C<sub>14</sub>H<sub>12</sub>ClNO

**Molecular Weight** : 245.70



### **Analytical Information**

**Batch No.** : TEM-IMP-A-045-267

**Solubility** : ACN

**Description** : Yellow Solid

**Mass** : Confirm

**HPLC Purity** : 99.07 %

**IR** : Confirm

**Weight Loss By TGA** : 0.03 %

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

**% Potency** : 99.04 %

### **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 - 0.03(Weight Loss By TGA)] x [99.07(HPLC Purity)]/100 = 99.04 %

Remarks : COA Re-generated on 25.05.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/01/2025
Reviewed & Approved By	Quality Control	Jatin Patel		03/01/2025

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