

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT003003-01)

Release Date: 16/09/2023

Re-test Date: 15/09/2026

## Temazepam EP Impurity B

### Identification

**Chemical Name :**

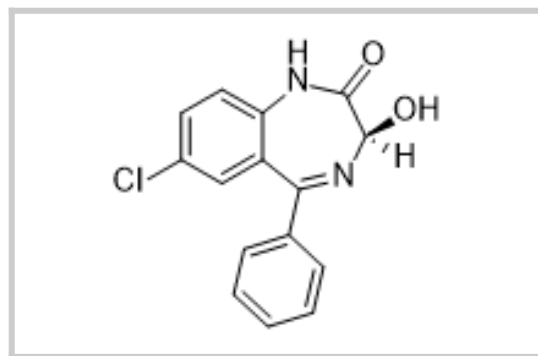
(3RS)-7-chloro-3-hydroxy-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one

CAT No. : KMT003003

CAS No. : 604-75-1

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

Molecular Weight : 286.71



### Analytical Information

Batch No. : TEM-IMP-B-045-268

Description : Light Yellow Solid

HPLC Purity : 96.87 %

Weight Loss By TGA : 0.50 %

% Potency : 96.39 %

Solubility : MeOH : ACN (1:1)

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 - 0.50(Weight Loss By TGA)] x [96.87(HPLC Purity)]/100 = 96.39 %

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