CERTIFICATE OF ANALYSIS

(Certificate No. KMT003003-01)

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

Temazepam EP Impurity B

Identification

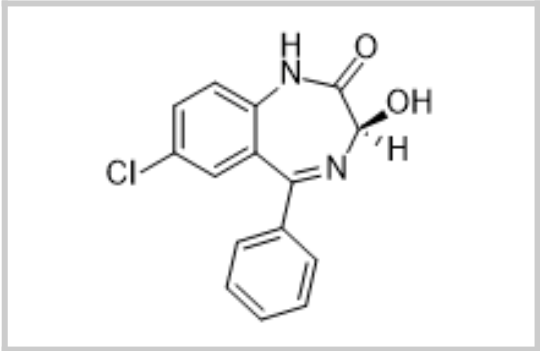
Chemical Name :
(3RS)-7-chloro-3-hydroxy-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one

CAT No. : KMT003003

CAS No. : 604-75-1

Molecular Formula : C15H11ClN2O2

Molecular Weight : 286.71



Analytical Information

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

Description : Light Yellow Solid

HPLC Purity : 96.72 %

Weight Loss By TGA : 0.53 %

% Potency : 96.21 %

Solubility : ACN : WATER (1:1)

Mass : Confirm

IR : Confirm

1H 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 - 0.53(Weight Loss By TGA)] x [96.72(HPLC Purity)]/100 = 96.21 %
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