CERTIFICATE OF ANALYSIS

(Certificate No. KMT003005-01)

Release Date: 14/09/2026 **Re-test Date:** 13/09/2029

Temazepam EP Impurity D

Identification

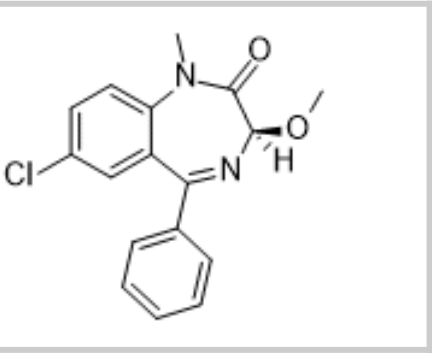
Chemical Name :
(3RS)-7-chloro-3-methoxy-1-methyl-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one

CAT No. : KMT003005

CAS No. : 17191-70-7

Molecular Formula : C17H15ClN2O2

Molecular Weight : 314.77



Analytical Information

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

Description : Light Yellow Solid

HPLC Purity : 92.50 %

Weight Loss By TGA : 1.13 %

% Potency : 91.45 %

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 - 1.13(Weight Loss By TGA)] x [92.50(HPLC Purity)]/100 = 91.45 %
Remarks : COA Re-generated on 25.05.2024
-Re-tested on 14.09.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/09/2026
Reviewed & Approved By	Quality Control	Jatin Patel		14/09/2026

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