CERTIFICATE OF ANALYSIS

(Certificate No. KMT003006-01)

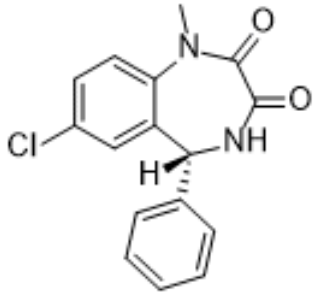
Release Date: 15/09/2026 **Re-test Date:** 14/09/2029

Temazepam EP impurity F

Identification

Chemical Name :
(5RS)-7-chloro-1-methyl-5-phenyl-4,5-dihydro-1H- 1,4-benzodiazepine-2,3-dione

Alt. Name	: Temazepam USP Related Compound F
CAT No.	: KMT003006
CAS No.	: 3294-96-0
Molecular Formula	: C16H13ClN2O2
Molecular Weight	: 300.74



Analytical Information

Batch No.	: TEM-IMP-F-045-272	**Solubility**	: Acetonitrile
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 96.98 %	**IR**	: Confirm
Weight Loss By TGA	: 0.40 %	**1H NMR**	: Confirm
% Potency	: 96.59 %		

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 - 0.40(Weight Loss By TGA)] x [96.98(HPLC Purity)]/100 = 96.59 %
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