

CERTIFICATE OF ANALYSIS

(Certificate No. KMT003007-01)

Release Date: 16/09/2023

Re-test Date: 15/09/2026

Temazepam EP Impurity G

Identification

Chemical Name :

(5RS)-7-chloro-1,4-dimethyl-5-phenyl-4,5-dihydro-1H-1,4-benzodiazepine-2,3-dione

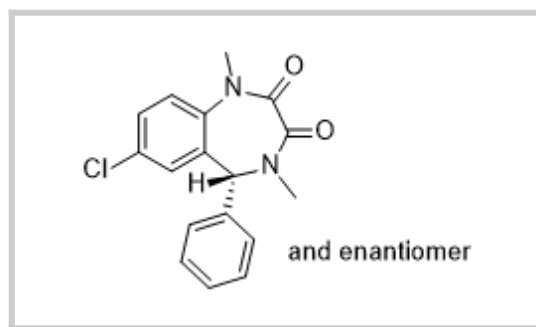
Alt. Name : Temazepam USP Related Compound G

CAT No. : KMT003007

CAS No. : 93329-92-1

Molecular Formula : C₁₇H₁₅ClN₂O₂

Molecular Weight : 314.77



Analytical Information

Batch No. : TEM-IMP-G-045-273

Description : Off White Solid

HPLC Purity : 97.55 %

Weight Loss By TGA : 0.64 %

% Potency : 96.93 %

Solubility : ACN

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 = $[100 - 0.64(\text{Weight Loss By TGA})] \times [97.55(\text{HPLC Purity})]/100 = 96.93 \%$

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, ¹H NMR, IR and TGA