

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT003004-01)

Release Date: 18/09/2023

Re-test Date: 17/09/2026

## Temazepam EP Impurity C

### Identification

**Chemical Name :**

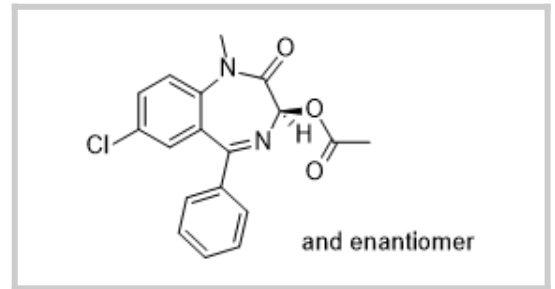
(3RS)-7-chloro-1-methyl-2-oxo-5-phenyl-2,3-dihydro-1H-1,4-benzodiazepin-3-yl acetate

**CAT No.** : KMT003004

**CAS No.** : 18818-64-9

**Molecular Formula** : C<sub>18</sub>H<sub>15</sub>ClN<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 342.78



### Analytical Information

**Batch No.** : TEM-IMP-C-045-269

**Description** : White Solid

**HPLC Purity** : 98.72 %

**Weight Loss By TGA** : 2.15 %

**% Potency** : 96.6 %

**Solubility** : ACN

**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 - 2.15(Weight Loss By TGA)] x [98.72(HPLC Purity)]/100 = 96.6 %

Remarks : COA Re-generated on 25.05.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		25/05/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		25/05/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA