

# CERTIFICATE OF ANALYSIS

(Certificate No. KML002003-01)

Release Date: 09/02/2024

Re-test Date: 08/02/2027

## Lorazepam EP Impurity B

### Identification

**Chemical Name :**

(3RS)-7-Chloro-5-(2-chlorophenyl)-2-oxo-2,3-dihydro-1H-1,4-benzodiazepin-3-yl acetate

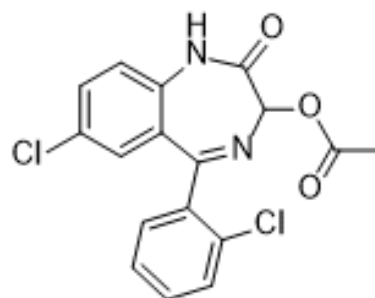
**Alt. Name** : Lorazepam USP Related Compound A

**CAT No.** : KML002003

**CAS No.** : 2848-96-6

**Molecular Formula** : C<sub>17</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 363.19



### Analytical Information

**Batch No.** : LOR-EPB-073-065

**Solubility** : ACN

**Description** : Brown Solid

**Mass** : Confirm

**HPLC Purity** : 97.38 %

**IR** : Confirm

**Weight Loss By TGA** : 0.42 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 96.97 %

### 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 - 0.42(Weight Loss By TGA)] x [97.38(HPLC Purity)]/100 = 96.97 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		
Reviewed & Approved By	Quality Control	Jatin Patel		

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