

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMD088005-01)

**Release Date:** 03/01/2025

**Re-test Date:** 02/01/2028

## **Diazepam EP Impurity B**

### **Identification**

**Chemical Name :**

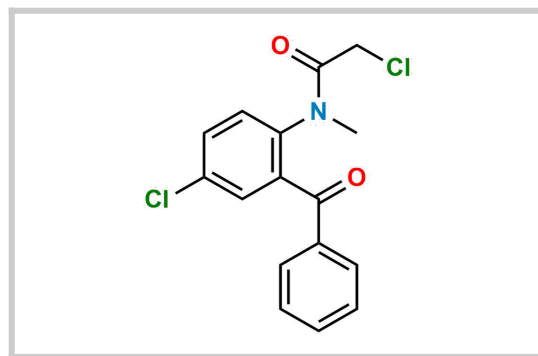
N-(2-benzoyl-4-chlorophenyl)-2-chloro-N-methylacetamide

**CAT No.** : KMD088005

**CAS No.** : 6021-21-2

**Molecular Formula** : C<sub>16</sub>H<sub>13</sub>Cl<sub>2</sub>NO<sub>2</sub>

**Molecular Weight** : 322.2



### **Analytical Information**

**Batch No.** : D088005-091-122

**Description** : Light Yellow Solid

**HPLC Purity** : 99.37 %

**Weight Loss By TGA** : 0.31 %

**% Potency** : 99.06 %

**Solubility** : Acetonitrile

**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 - 0.31(Weight Loss By TGA)] x [99.37(HPLC Purity)]/100 = 99.06 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/01/2025
Reviewed & Approved By	Quality Control	Jatin Patel		03/01/2025

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