

# 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 :**

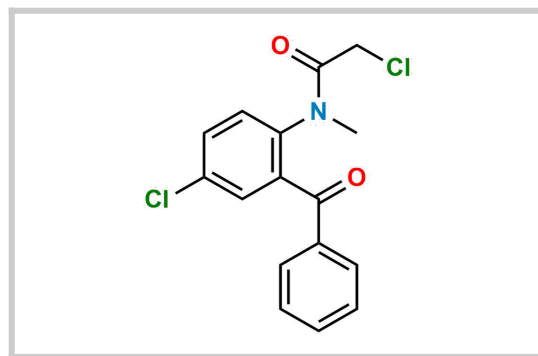
N-(2-benzoyl-4-chlorophenyl)-2-chloro-N-methylacetamide

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