CERTIFICATE OF ANALYSIS

(Certificate No. KMD088005-01)

Release Date: 03/01/2025 **Re-test Date:** 02/01/2028

Diazepam EP Impurity B

Identification

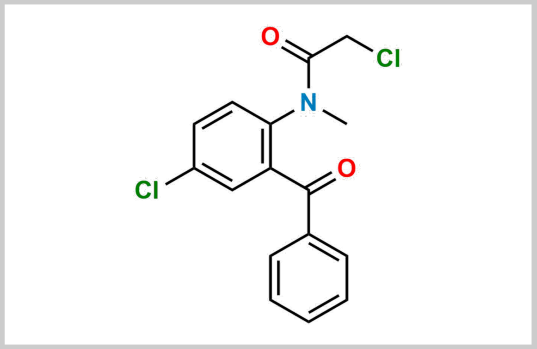
Chemical Name :
N-(2-benzoyl-4-chlorophenyl)-2-chloro-N-methylacetamide

CAT No. : KMD088005

CAS No. : 6021-21-2

Molecular Formula : C16H13Cl2NO2

Molecular Weight : 322.2



Analytical Information

Batch No.	: D088005-091-122	**Solubility**	: Acetonitrile
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.37 %	**IR**	: Confirm
Weight Loss By TGA	: 0.31 %	**1H NMR**	: Confirm
% Potency	: 99.06 %		

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, 1HNMR, IR and TGA