CERTIFICATE OF ANALYSIS

(Certificate No. KMA011029-01)

Release Date: 26/02/2025 **Re-test Date:** 25/02/2028

Amlodipine Impurity G

Identification

Chemical Name :
Dimethyl 4-(2-chlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate (as per EP)

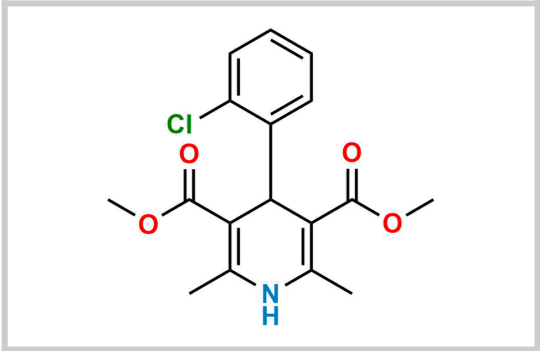
Alt. Name : Amlodipine USP Related Compound C

CAT No. : KMA011029

CAS No. : 43067-01-2

Molecular Formula : C17H18ClNO4

Molecular Weight : 335.8



Analytical Information

Batch No.	: A011029-091-231	**Solubility**	: Acetonitrile
Description	: Off white solid	**Mass**	: Confirm
HPLC Purity	: 98.38 %	**IR**	: Confirm
Weight Loss By TGA	: 0.81 %	**1H NMR**	: Confirm
% Potency	: 97.58 %		

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 - 0.81(Weight Loss By TGA)] x [98.38(HPLC Purity)]/100 = 97.58 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		26/02/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA