

CERTIFICATE OF ANALYSIS

(Certificate No. KMA011029-01)

Release Date: 26/02/2025

Re-test Date: 25/02/2028

Amlodipine EP Impurity G

Identification

Chemical Name :

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

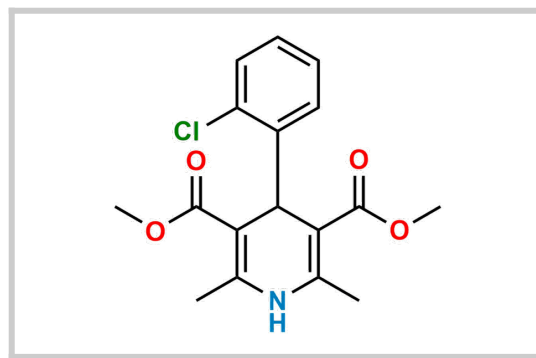
Alt. Name : Amlodipine USP Related Compound C

CAT No. : KMA011029

CAS No. : 43067-01-2

Molecular Formula : C₁₇H₁₈ClNO₄

Molecular Weight : 335.8



Analytical Information

Batch No. : A011029-091-231

Description : Off white solid

HPLC Purity : 98.38 %

Weight Loss By TGA : 0.81 %

% Potency : 97.58 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 0.81(Weight Loss By TGA)] x [98.38(HPLC Purity)]/100 = 97.58 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		04/03/2025

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA