

# **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)

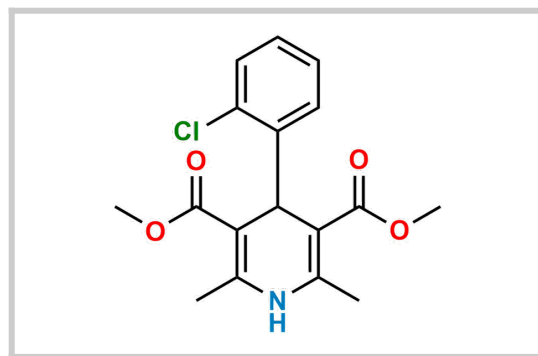
**Alt. Name** : Amlodipine USP Related Compound C

**CAT No.** : KMA011029

**CAS No.** : 43067-01-2

**Molecular Formula** : C<sub>17</sub>H<sub>18</sub>ClNO<sub>4</sub>

**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

**<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 - 0.81(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, <sup>1</sup>HNMR, IR and TGA