# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMA011021-01)

**Release Date:** 28/02/2025 **Re-test Date:** 27/02/2028

## **Amlodipine EP Impurity B**

## **Identification**

#### **Chemical Name:**

3-Ethyl 5-methyl (4RS)-4-(2-chlorophenyl)-6-methyl-2-[[2-[[2-

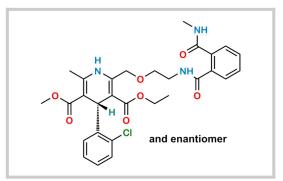
(methylcarbamoyl)benzoyl]amino]ethoxy]methyl]-1,4-dihydropyridine-3,5-dicarboxylate (as per EP)

**Alt. Name** : Methylaminophthaloyl Amlodipine;

**CAT No.** : KMA011021 **CAS No.** : 721958-72-1

Molecular Formula : C29H32ClN3O7

**Molecular Weight** : 570.1



## **Analytical Information**

Description: Off white solidMass: ConfirmHPLC Purity: 99.98 %IR: ConfirmWeight Loss By TGA: 0.74 %1H NMR: Confirm

**% Potency** : 99.24 %

### **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 - 0.74(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.24 %

**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, 1HNMR, IR and TGA