

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA011028-02)

Release Date: 14/05/2025

Re-test Date: 13/05/2028

## Amlodipine EP Impurity F

### Identification

**Chemical Name :**

Dimethyl 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate benzenesulfonate

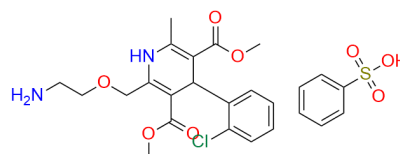
**Alt. Name** : Amlodipine USP Related Compound F  
; Amlodipine Methyl Analog (USP) ;  
Amlodipine Dimethyl Ester

**CAT No.** : KMA011028

**CAS No.** : Not Available

**Molecular Formula** : C<sub>19</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>5</sub> : C<sub>6</sub>H<sub>6</sub>O<sub>3</sub>S

**Molecular Weight** : 394.9 : 158.18



### Analytical Information

**Batch No.** : A011028-102-028

**Description** : Yellow Solid

**HPLC Purity** : 94.16 %

**Weight Loss By TGA** : 0.52 %

**% Potency** : 93.67 %

**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 - 0.52(Weight Loss By TGA)] x [94.16(HPLC Purity)]/100 = 93.67 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		15/05/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA