

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA011100-01)

Release Date: 19/12/2024

Re-test Date: 18/12/2027

## Levamlodipine Besylate Hemipentahydrate

### Identification

**Chemical Name :**

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

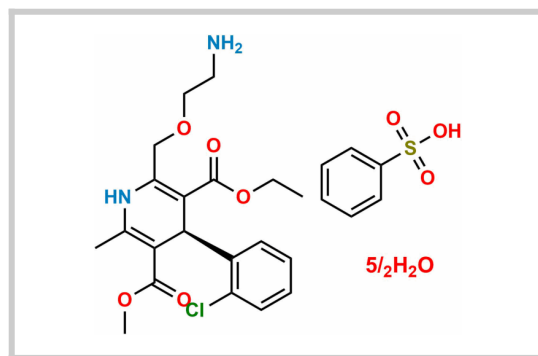
**Alt. Name** : (S)-Amlodipine

**CAT No.** : KMA011100

**CAS No.** : 884648-62-8

**Molecular Formula** : C<sub>20</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>5</sub> : C<sub>6</sub>H<sub>6</sub>O<sub>3</sub>S :  
5/2(H<sub>2</sub>O)

**Molecular Weight** : 408.9 : 158.2 : 5/2(18.0)



### Analytical Information

**Batch No.** : A011099-091-090

**Description** : Off white Powder

**HPLC Purity** : 99.99 %

**Weight Loss By KF** : 7.45 %

**% Potency** : 92.54 %

**Solubility** : Methanol

**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 - 7.45(Weight Loss By KF)] x [99.99(HPLC Purity)]/100 = 92.54 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		19/12/2024

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