CERTIFICATE OF ANALYSIS

(Certificate No. KMA011026-02)

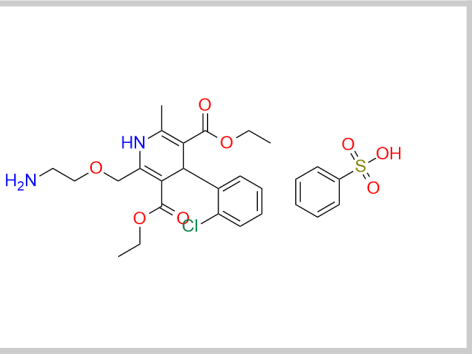
Release Date: 14/05/2025 **Re-test Date:** 13/05/2028

Amlodipine Related Compound E

Identification

Chemical Name :
Diethyl 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate benzenesulfonate

Alt. Name	: Amlodipine Diethyl Ester; Amlodipine Ethyl Analog (USP)
CAT No.	: KMA011026
CAS No.	: Not Available ; 140171-65-9 (Free base) ; 400024-12-6 (Maleate Salt)
Molecular Formula	: C21H27ClN2O5 : C6H6O3S
Molecular Weight	: 422.9 : 158.18



Analytical Information

Batch No.	: A011026-102-029	**Solubility**	: Acetonitrile
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 95.55 %	**IR**	: Confirm
Weight Loss By TGA	: 0.50 %	**1H NMR**	: Confirm
% Potency	: 95.07 %		

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 - 0.50(Weight Loss By TGA)] x [95.55(HPLC Purity)]/100 = 95.07 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		14/05/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA