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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

Product Name: Amlodipine EP Impurity D (Fumarate salt)

Identification:

Chemical Name: 3-Ethyl 5-methyl 2-[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-6-methylpyridine-3,5-dicarboxylate Fumarate (as per EP & USP)

Synonyms : Amlodipine USP Related
Compound A (Fumarate salt)

CAS Number : 2138811-33-1

CAT Number : CP-A5086

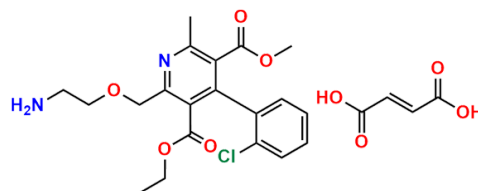
Molecular Formula : C₂₀H₂₃ClN₂O₅ : C₄H₄O₄

Molecular Weight : 406.9 : 116.1

Batch Number : CP-AML-DFUM-0425

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Solubility	Soluble in Methanol /DMSO
2)	MASS By LCMS	Confirm to Structure
3)	Purity by HPLC	Peak1 (Main compound) = 92.54% (RT- 8.957) Peak 2(Fumarate Salt) = 6.67% Total Purity-99.21% (RT-4.170)
4)	¹ HNMR	Confirm to Structure
5)	¹³ CNMR	-
6)	IR	-
7)	Weight loss by TGA	-
8)	Potency by TGA	-



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Quality Control)

Approved By

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.