

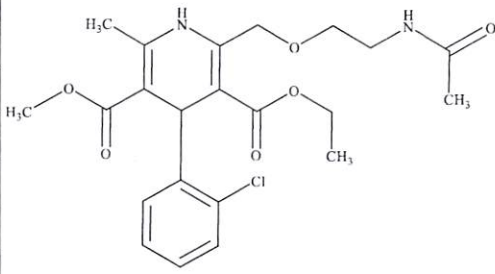
Certificate of Analysis

Certificate No.: 20250120501



Date: January 20, 2025

Retest date: January 16, 2028

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|--|--|
| Compound Name: Amlodipine Impurity 29 | |
| Synonyms: | 3-ethyl 5-methyl 2-((2-acetamidoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate |
| TLC Catalogue Number: | A-0857 |
| CAS Number: | 93848-82-9 |
| Molecular Weight: | 450.92 |
| Molecular Formula: | C ₂₂ H ₂₇ ClN ₂ O ₆ |
| Source: | TLC Pharmaceutical Standards |
| Source Lot No.: | 3036-050A4 |
| Storage Conditions: | Hygroscopic, store at 2-8 °C |
| Solubility: | Methanol, DMSO |



| Test Description | Specifications | Results |
|--------------------------------|-----------------------|-----------------|
| Visual Description | Pale yellow solid | Conforms |
| Identification | | |
| IR | Conforms to structure | Conforms |
| MS | Conforms to structure | Conforms |
| ¹ H NMR | Conforms to structure | Conforms |
| Purity (HPLC) | Not less than 95.0% | 99.9% |
| Impurity (HPLC) | N/A | |
| Water Content (KF) | N/A | 0.9% |
| Residual Solvents (NMR) | 0.1% acetonitrile | |
| Assay (%) | Not less than 90.0% | 98.9% |
| Recommendation: | Release. | |

| Name | Department | Signature | Date |
|---------------------------|-------------------|--|------------|
| Reviewed and approved by: | Quality Control |  | 01/20/2025 |
| Approved by: | Quality Assurance |  | 01/20/2025 |

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.