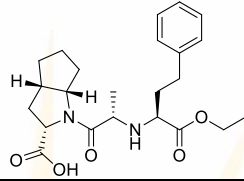




Standard Material Certificate of Analysis

Product Name	Ramipril Reference Standard				
Chemical name	(2S,3aS,6aS)-1-[(2S)-2-[[[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclopenta[b]pyrrole-2-carboxylic Acid				
CAS Number	87333-19-5	Lot Qty.	5.0 g	M. Wt.	416.51 g/mol
Lot Number	MLS-RML-STD/001	Mfg.	January-2026		
Molecular formula	C ₂₃ H ₃₂ N ₂ O ₅	Retest	January-2028		
EP CRS Ref. B.No	R0145000	Shipment & Storage	Shipment: Room temperature.		
Catalogue Number	MLS-RML-STD		Long term storage: Refrigerator 2-8°C		
COA Date	25-05-2026				
Chemical structure					
S. No.	Test Name	Specifications	Results		
1	Description	White color solid	Complies		
3	Identification 1. ¹ H NMR 2. MASS 3. FT-IR	Spectral data should confirm the chemical structure. Spectral data should confirm the chemical structure. Spectral data should confirm the chemical structure	Complies (Results: Annex-1) Complies (Results: Annex-2) Complies (Results: Annex-3)		
4	Purity by HPLC	Not less than 98.0%	99.03% (Results: Annex-4)		
5	Loss on drying	Not more than 0.5%	0.13% (Results: Annex-5)		
6	Potency	Not less than 90.0%	98.90%		

Note:

1. This standard material can be used for qualitative analysis only.
2. Potency Calculation: Potency % = [(100-(Loss on drying)) x (100-% Total Impurities by HPLC)]/100.
3. Caution: Do not dry the material. Use as such. Only for analytical purpose, not for human consumption
4. Traceability: Weigh measurements are done on the balance calibrated with OIML R 111-1 (E) compliant weights, Volumetric measurements and others determinations are traceable to SI units, Gravimetric determinations are traceable to NIST standards.
5. Expanded Uncertainty: 0.21%

Prepared by	Authorized by
