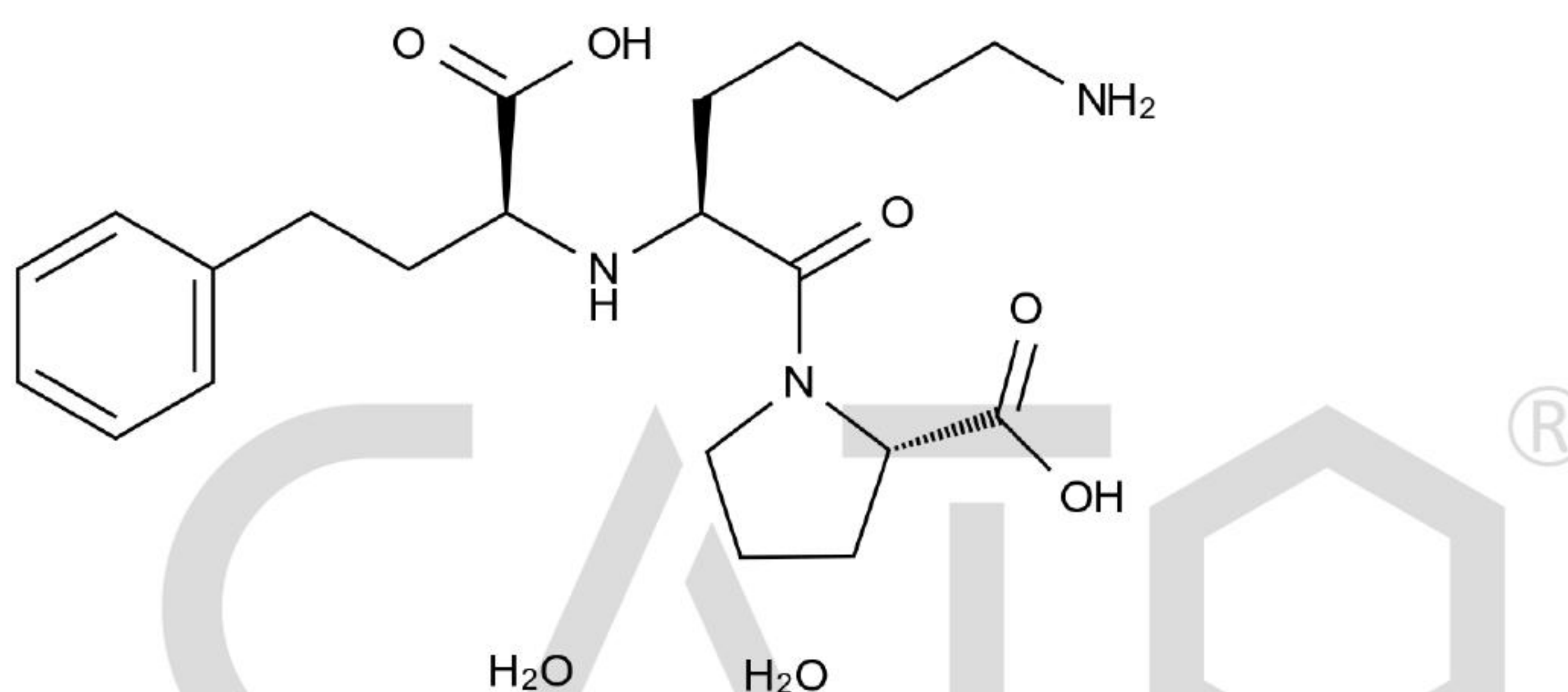


Certificate of Analysis

Reference Material & Standard

Product Name:	Lisinopril Dihydrate	Catalogue Number:	C4X-1681
Synonyms:	N/A	Lot Number:	0923-RF-0102
CAS Number:	83915-83-7	Expiry Date:	Sep 28, 2027
Molecular Formula:	C ₂₁ H ₃₁ N ₃ O ₅ · 2H ₂ O	Storage:	-20°C ± 5°C Protected from light and Sealed
Molecular Weight:	405.49 · 2 · 18.02		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.767%
Residue on Ignition	TGA	0.7369%
Loss On Drying	TGA	0.0177%
Loss On Drying(Free Water)		8.1802%
Assay		99.0%

Comment:

- The content of crystal water is 8.1625%.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying(Free Water)}) \times \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying(Free Water) are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Sep 29, 2024

Date: Sep 29, 2024

Date: Sep 29, 2024

