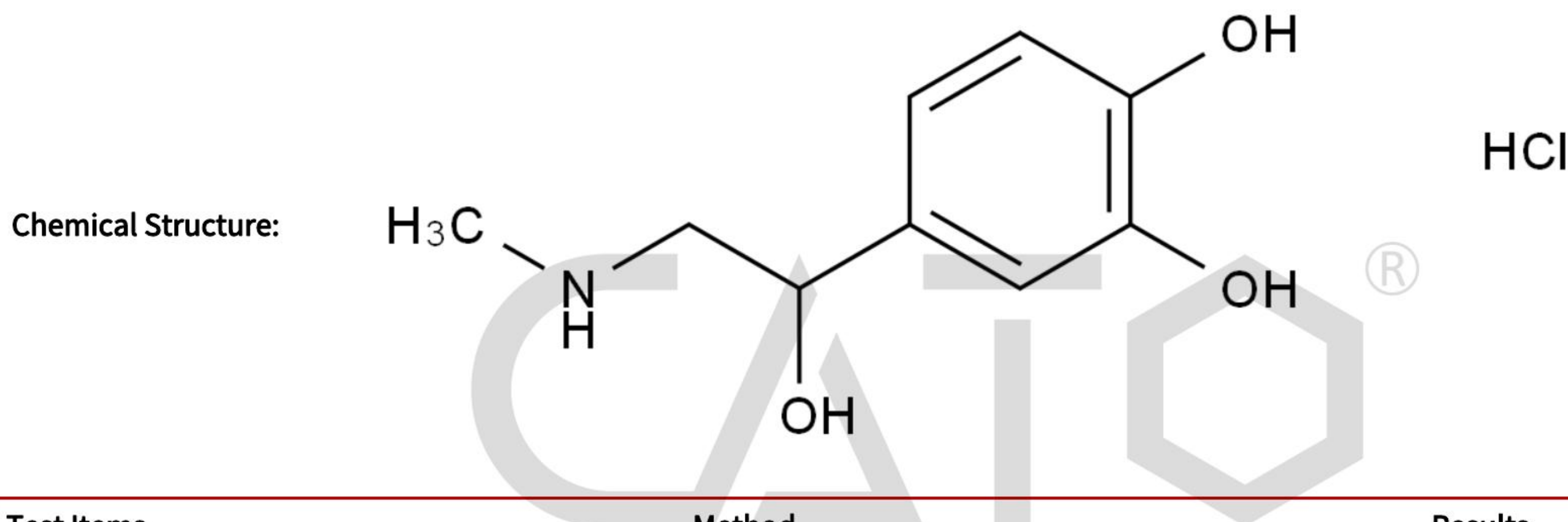


Certificate of Analysis

Reference Material & Standard

Product Name:	DL-Epinephrine Hydrochloride	Catalogue Number:	C4X-1849
Synonyms:	N/A	Lot Number:	16A-12-6
CAS Number:	329-63-5	Expiry Date:	Sep 29, 2027
Molecular Formula:	C ₉ H ₁₃ NO ₃ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	183.20 36.46		



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.642%
Residue on Ignition	TGA	0.2016%
Loss On Drying	TGA	0.0739%
Assay		99.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying 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 30, 2024

Date: Sep 30, 2024

Date: Sep 30, 2024

