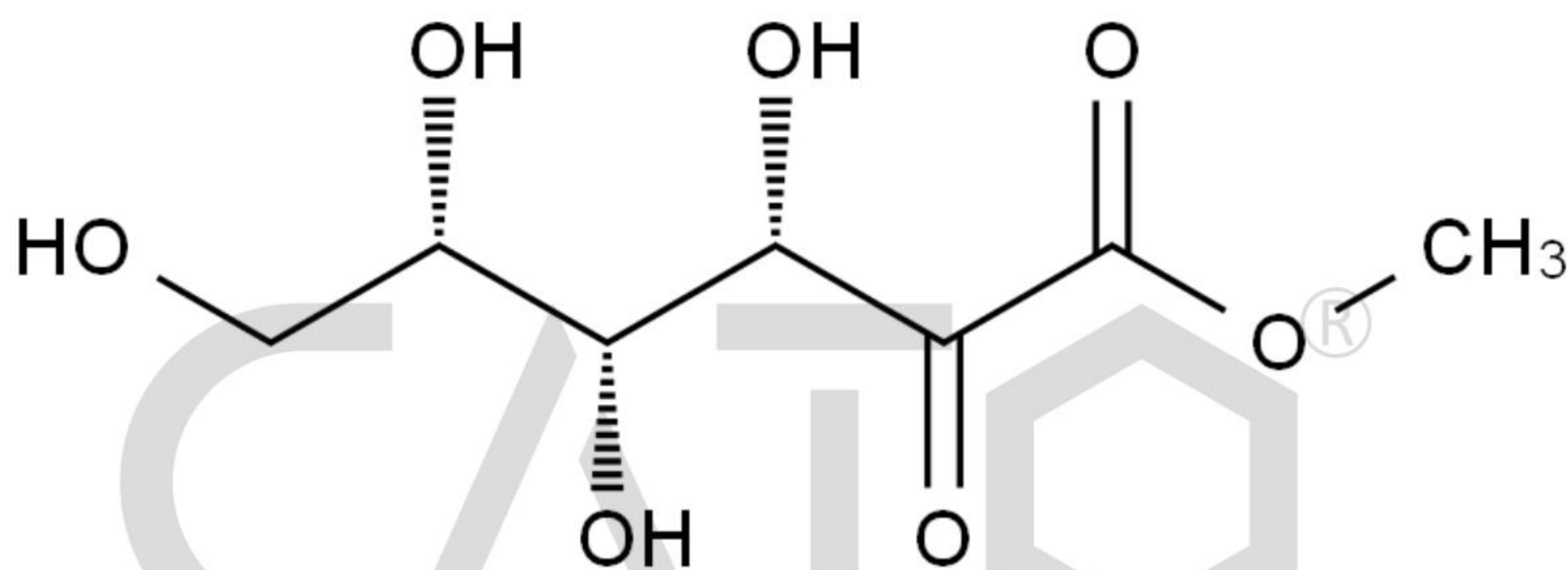


Certificate of Analysis

Reference Material & Standard

Product Name:	Ascorbic Acid EP Impurity D	Catalogue Number:	C4X-17792
Synonyms:	N/A	Lot Number:	0306-RH-0099
CAS Number:	3031-98-9	Expiry Date:	Mar 11, 2030
Molecular Formula:	C ₇ H ₁₂ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	208.17	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	99.005%
Loss on Drying	TGA	0.1418%
Assay		98.9%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 17, 2026

Date: Aug 17, 2026

Date: Aug 17, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

