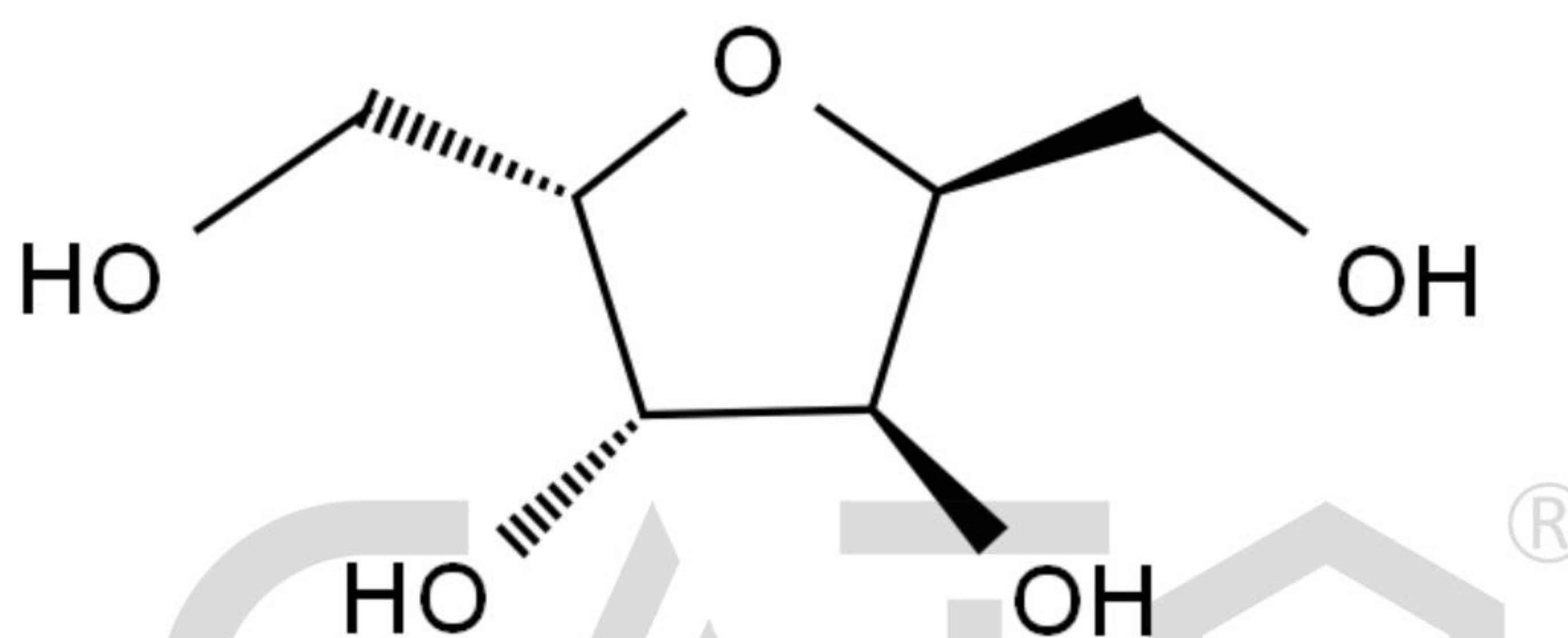


Certificate of Analysis

Reference Material

Product Name:	Isosorbide Impurity 21	Catalogue Number:	C4X-223821
Chemical Name:	N/A	Lot Number:	0920-RE-0001
CAS Number:	28218-55-5	Expiry Date:	Sep 24, 2026
Molecular Formula:	C ₆ H ₁₂ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	164.16		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	96.653%
Loss On Drying	TGA	0.3540%
Assay		96.3%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity GC (%) / 100%

Loss On Drying is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Aporoved by General manager:

David

Date: Sep 25, 2023

Date: Sep 25, 2023

Date: Sep 25, 2023

