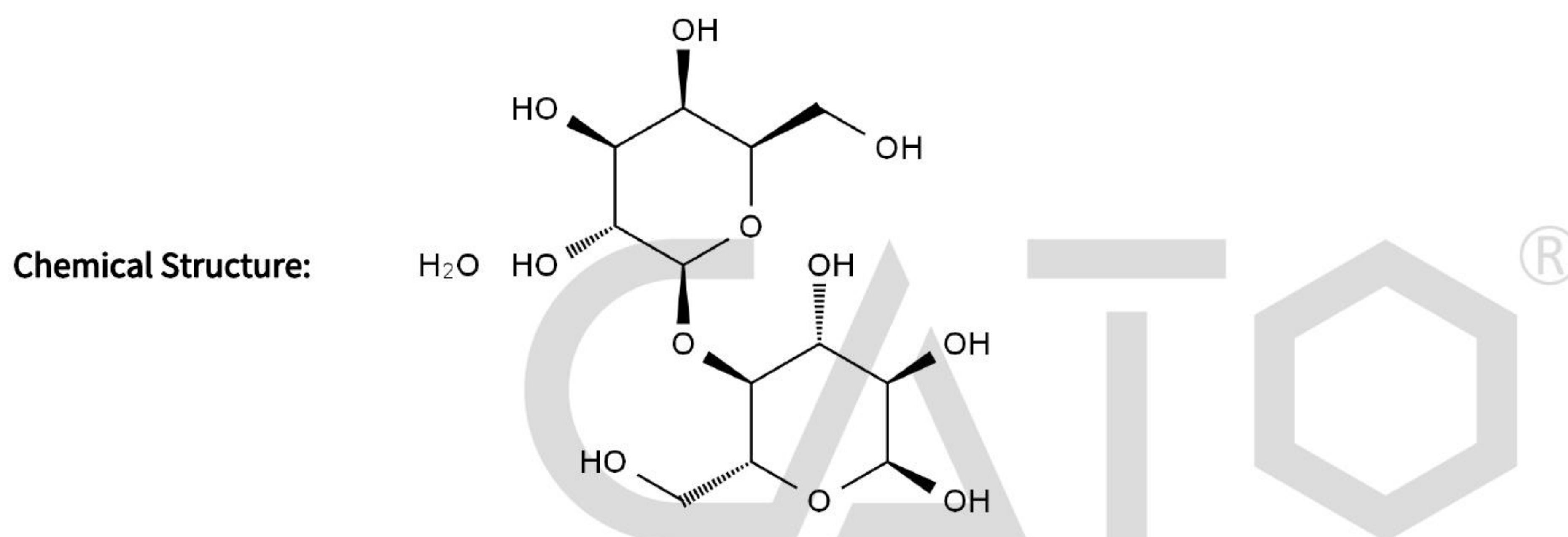


Certificate of Analysis

Reference Material & Standard

Product Name:	Alpha-D(+)-Lactose Monohydrate	Catalogue Number:	CCFD200051
Synonyms:	N/A	Lot Number:	1113-RG-0015
CAS Number:	5989-81-1	Expiry Date:	Nov 12, 2029
Molecular Formula:	C ₁₂ H ₂₂ O ₁₁ · H ₂ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	342.30 18.02	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.0%
Assay	qNMR	98.2%
Uncertainty		±0.5%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Nov 13, 2025

Date: Nov 13, 2025

Date: Nov 13, 2025



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