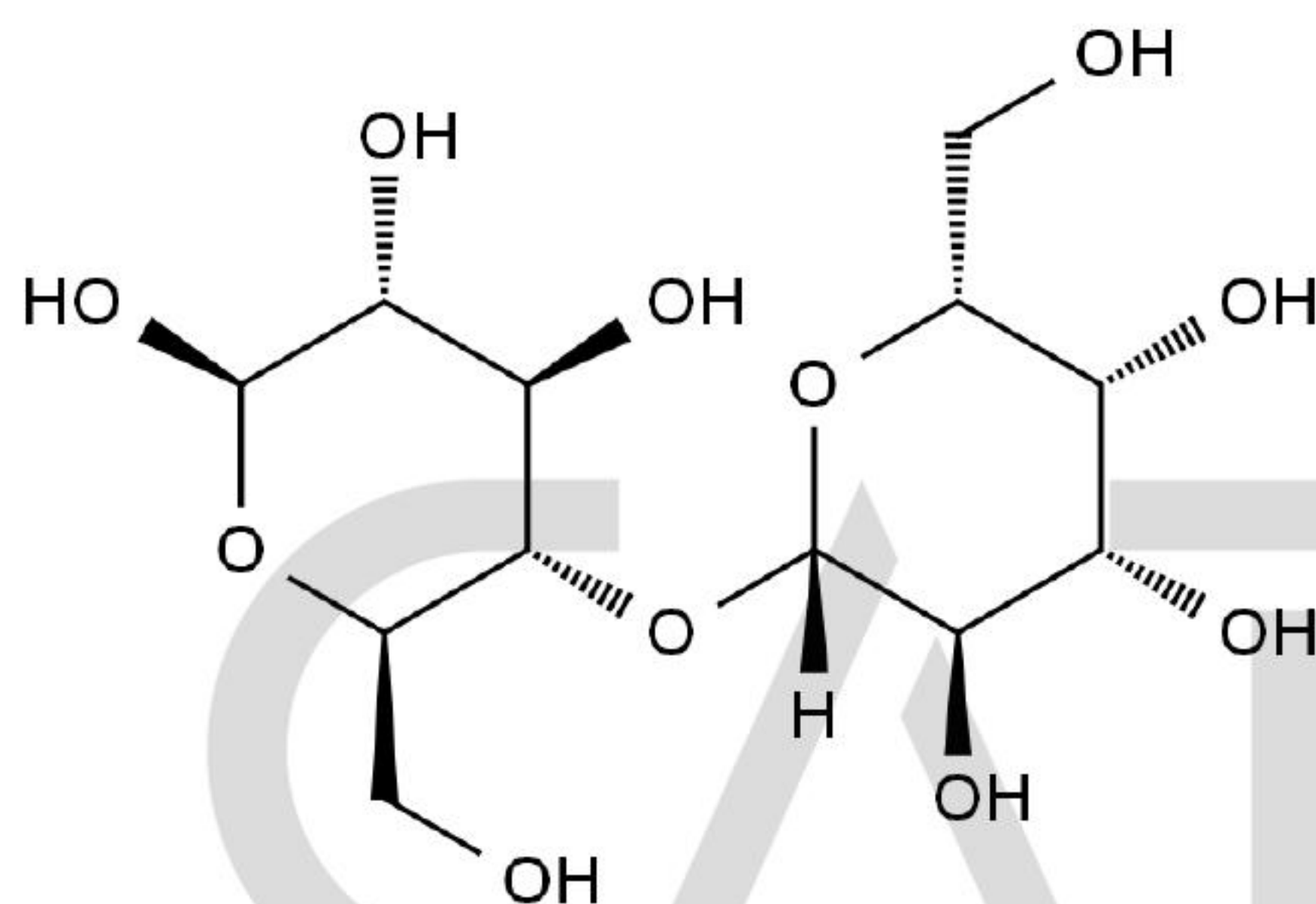


Certificate of Analysis

Reference Material & Standard

Product Name:	beta-Lactose	Catalogue Number:	C3D-3408
Synonyms:	N/A	Lot Number:	0611-RG-0047
CAS Number:	5965-66-2	Expiry Date:	Jun 17, 2028
Molecular Formula:	C ₁₂ H ₂₂ O ₁₁	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	342.30	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.532%
Purity	HNMR	β:α≈77:23
Loss on Drying	TGA	0.0929%
Assay		99.4%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 27, 2026

Date: Apr 27, 2026

Date: Apr 27, 2026



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