

Certificate of Analysis

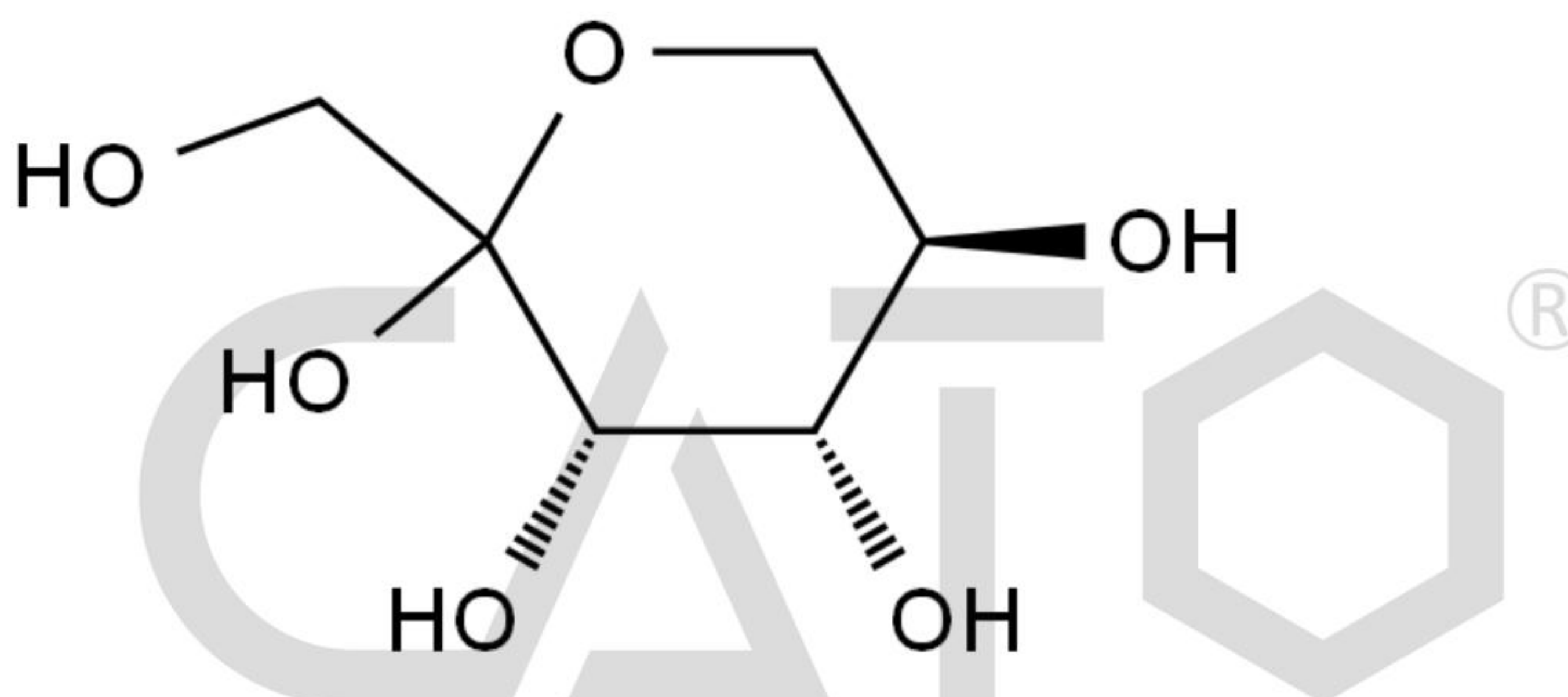
Reference Material & Standard

Product Name:	Lactulose Impurity N1	Catalogue Number:	CP136592
Synonyms:	N/A	Lot Number:	1216-RF-0103
CAS Number:	41847-61-4	Expiry Date:	Dec 21, 2029
Molecular Formula:	C ₆ H ₁₂ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	180.16	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HRMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss On Drying	TGA	0.0524%
Assay		99.9%

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:

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Date: Dec 22, 2025

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