

Certificate of Analysis

Compound Information

Product Name: α-Lactose (hydrate)

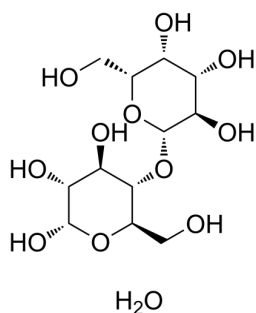
Cat. No.: 1199367

CAS No.: 5989-81-1

Molecular Formula: C₁₂H₂₄O₁₂

Molecular Weight: 360.31

Chemical Structure:



Batch Information

Batch No.: Lg0414236693

Storage: Storage temp. 2-8°C

Test Date: 2023-04-14

Retest Date: 2026-04-13

Origin: Shanghai, China

QC Summary

Appearance: White to off-white (Solid)

¹H NMR Spectrum: Consistent with structure

Purity (NMR): ≥98.0%

Residue on Ignition: 0.29%

Water(KF): 4.96%

Optical Rotation: 77.417° (C=10.0 g/100ml, H₂O)

Conclusion: The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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