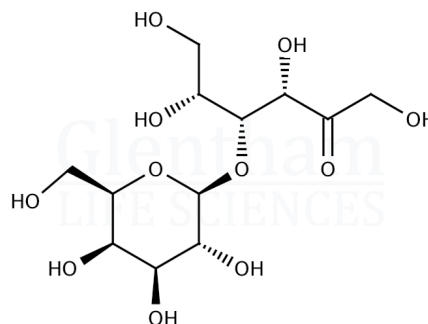


Certificate of Analysis

Product Name Lactulose, 98%
Glentham Code GC9831
CAS Number 4618-18-2
EINECS 225-027-7
MDL Number MFCD00151469
Batch Number 098WBM

Molecular Weight 342.30
Molecular Formula $C_{12}H_{22}O_{11}$
Storage Temp. +20°C



Property	Specification	Batch 098WBM
Physical Description	White crystalline powder or colourless crystals	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation	-46.0 - -50.0 ° (anhydrous basis)	-49.8°
Water	≤ 3.0%	0.7%
Assay (HPLC)	≥ 98.0%	100.5%

Specification Version v1.0
Manufacture Date 2022-11-01
Re-Test Date 2031-01-20

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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