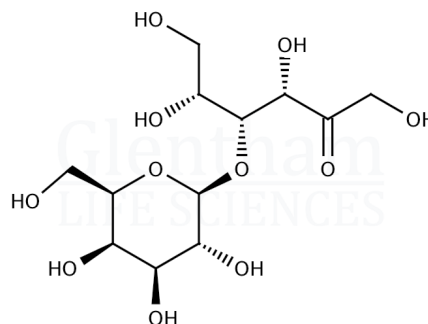


Certificate of Analysis

Product Name Lactulose, 98%
Glentham Code GC9831
CAS Number 4618-18-2
EINECS 225-027-7
MDL Number MFCD00151469
Batch Number 982GOT

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



Property	Specification	Batch 982GOT
Physical Description	White crystalline powder or colourless crystals	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation	-46.0 - -50.0 ° (anhydrous basis)	-49.4°
Water	≤ 3.0%	0.6%
Assay (HPLC)	≥ 98.0%	100.7%

Specification Version v1.0
Manufacture Date 2020-07-01
Re-Test Date 2028-06-05

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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