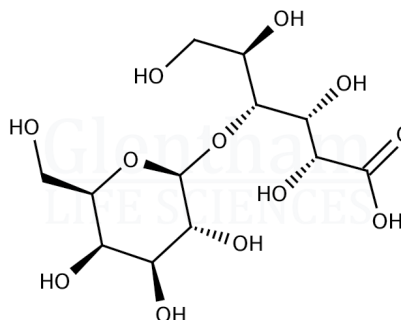


## Certificate of Analysis

Product Name Lactobionic acid  
Glentham Code GC3782  
CAS Number 96-82-2  
EINECS 202-538-3  
MDL Number MFCD00078147  
PubChem SID 310275674  
Batch Number 170RJM

Molecular Weight 358.30  
Molecular Formula  $C_{12}H_{22}O_{12}$   
Storage Temp. +20°C



Property	Specification	Batch 170RJM
Physical Description	White to almost white crystalline powder	White crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+23.0 - +29.0 ° (c=3, water)	+ 23.3°
Water	≤ 5.0%	3.3%
Assay (Titration)	97.0 - 103.0 % (dried basis)	101.7%

Specification Version v1.1  
Manufacture Date 2023-03-05  
Re-Test Date 2031-04-27

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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