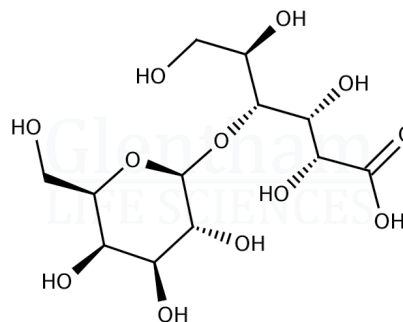


## Certificate of Analysis

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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