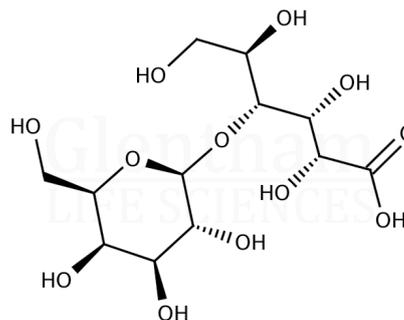


Certificate of Analysis

Product Name	Lactobionic acid, EP grade
Glentham Code	GC0324
CAS Number	96-82-2
EINECS	202-538-3
Batch Number	840OVX
Molecular Weight	358.30
Molecular Formula	$C_{12}H_{22}O_{12}$
Storage Temp.	+20°C



Property	Specification	Batch 840OVX
Physical Description	White to almost white crystalline powder	White crystalline powder
Identification	According to EP	Conforms
Solubility (3g in 25ml water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation	+23.0 - +29.0 ° (dried basis)	+25.0°
Reducing Sugars	≤ 0.2%	< 0.2%
Heavy Metals	≤ 10ppm	< 10ppm
Calcium (Ca)	≤ 500ppm	< 500ppm
Chloride (Cl)	≤ 500ppm	< 500ppm
Iron (Fe)	≤ 100ppm	< 100ppm
Ash	≤ 0.1%	< 0.1%
Water	≤ 5.0%	3.5%
Assay	98.0 - 102.0 % (dried basis)	99.1%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.1
Manufacture Date	2023-09-25
Re-Test Date	2029-10-06

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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