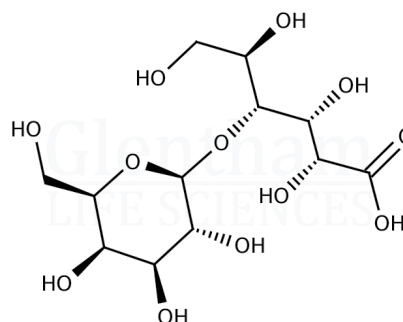


Certificate of Analysis

Product Name	Lactobionic acid, EP grade
Glentham Code	GC0324
CAS Number	96-82-2
EINECS	202-538-3
Batch Number	991ZCY
Molecular Weight	358.30
Molecular Formula	$C_{12}H_{22}O_{12}$
Storage Temp.	+20°C



Property	Specification	Batch 991ZCY
Physical Description	White to almost white crystalline powder	White crystalline powder
Identification	According to EP	Conforms
Solubility (3g in 25ml water)	Clear, colourless solution	Conforms
Specific Optical Rotation	+23.0 - +29.0 ° (dried basis)	+25.1°
Reducing Sugars	≤ 0.2%	Conforms
Heavy Metals	≤ 10ppm	Conforms
Calcium (Ca)	≤ 500ppm	Conforms
Chloride (Cl)	≤ 500ppm	Conforms
Iron (Fe)	≤ 100ppm	Conforms
Ash	≤ 0.1%	Conforms
Water	≤ 5.0%	3.3%
Assay	98.0 - 102.0 % (dried basis)	100.4%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.1
Manufacture Date	2024-09-21
Re-Test Date	2030-10-18

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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