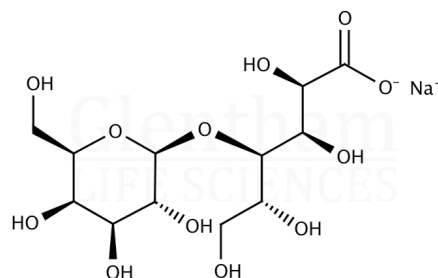


Certificate of Analysis

Product Name	Sodium lactobionate
Glentham Code	GK2515
CAS Number	27297-39-8
PubChem SID	310280125
MDL Number	MFCD06658158
Batch Number	973TLH
Molecular Weight	380.28
Molecular Formula	$C_{12}H_{21}NaO_{12}$
Storage Temp.	+20°C



Property	Specification	Batch 973TLH
Physical Description	White to pale yellow crystalline powder	White powder
Solubility (2% in water)	Clear, colourless to faint yellow solution	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+20.0 - +23.0 ° (c=2, water)	22.05 °
Melting Point	165 - 175 °C	174.3 °C
Heavy Metals (as Pb)	≤ 30ppm	≤ 20ppm
Loss on Drying	≤ 1.0%	0.84%
Assay (Titration)	98.0 - 102.0 %	99.1%

Specification Version	v1.2
Manufacture Date	2020-10-18
Re-Test Date	2028-11-17

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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