

## Certificate of Analysis

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Product Name	Mannan
Glentham Code	GC5133
CAS Number	9036-88-8
MDL Number	MFCD00131574
Batch Number	142HFE

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Molecular Weight	-
Molecular Formula	-
Storage Temp.	+4°C

Property	Specification	Batch 142HFE
Physical Description	White to light-brown powder	Faint brown powder
Solubility (2.5% in water)	Clear to slightly turbid, colourless to light-yellow or light-brown solution	Slightly turbid faint brown-yellow solution
Specific Optical Rotation	73 - 82 °	81°
Phosphorus (P)	≤ 1.0%	0.0%
Sodium (Na)	≤ 2.0%	1.0%

Specification Version	v1.0
Manufacture Date	2022-05-24
Re-Test Date	2030-04-19

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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