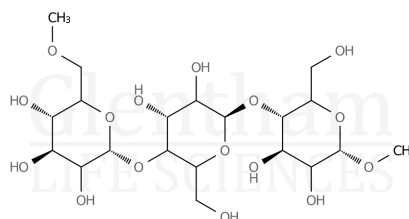


Certificate of Analysis

Product Name	Pullulan, technical
Glentham Code	GC6579
CAS Number	9057-02-7
EINECS	232-945-1
MDL Number	MFCD00081940
Batch Number	923MJN

Molecular Weight	-
Molecular Formula	-
Storage Temp.	+20°C



Property	Specification	Batch 923MJN
Physical Description	White or almost white powder or fine granules	Almost white fine granules
Solubility (5% in water)	Clear, viscous solution	Clear, viscous solution
pH (10% in water)	4.5 - 6.5	6.0
Viscosity	100 - 200 mm ² /s (10% in water, 30°C)	114mm ² /s
Loss on Drying	≤ 10.0%	5.0%
Oligosaccharides	≤ 10.0% (mono + di)	0.2%

Specification Version	v1.0
Manufacture Date	2022-10-03
Re-Test Date	2030-11-29

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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