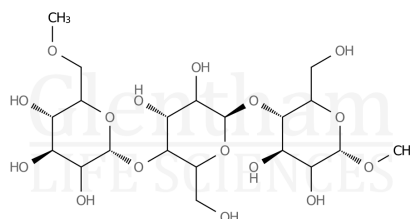


## Certificate of Analysis

Product Name	Pullulan
Glentham Code	GC2572
CAS Number	9057-02-7
EINECS	232-945-1
MDL Number	MFCD00081940
Batch Number	849NOU

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



Property	Specification	Batch 849NOU
Physical Description	White or almost white powder or fine granules	White powder
Solubility (5% in water)	Clear, viscous solution (on warming)	Clear, viscous solution (on warming)
pH (10% in water)	4.5 - 6.5	5.7
Viscosity	100 - 200 mm <sup>2</sup> /s (10% in water, 30°C)	153mm <sup>2</sup> /s
Loss on Drying	≤ 10.0%	0.8%
Residue on Ignition	≤ 1.5%	0.0%
Oligosaccharides	≤ 10.0% (mono + di)	8.0%

Specification Version	v1.1
Manufacture Date	2022-07-13
Re-Test Date	2031-05-22

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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