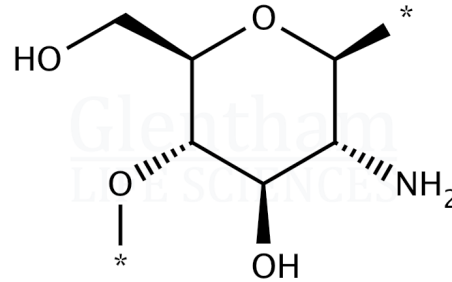


Certificate of Analysis

Product Name	Chitosan (10 - 120 cps); from <i>Aspergillus niger</i>
Glentham Code	GU8949
CAS Number	9012-76-4
EINECS	618-480-0
Numéro MDL	MFCD00161512
Batch Number	141SDJ
Molecular Weight	-
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification	Batch 141SDJ
Physical Description	Off-white to light-yellow or pale tan powder	Pale-tan powder
Solubility (1% in 1% acetic acid)	Clear to slightly turbid, colourless to pale yellow-brown solution	Clear, pale yellow solution
Viscosity (1% in 1% AcOH, 20°C)	10 - 120 cps	20cps
Ash	≤ 2.0%	0.62%
Loss on Drying	≤ 15.0%	7.55%
Arsenic (As)	≤ 2.0ppm	Conforms
Lead (Pb)	≤ 1.0ppm	Conforms
Cadmium (Cd)	≤ 0.5ppm	Conforms
Mercury (Hg)	≤ 0.5ppm	Conforms
Heavy Metals	≤ 20ppm	Conforms
Degree of Deacetylation	≥ 85.0%	98.1%
Source	<i>Aspergillus niger</i>	Conforms

Specification Version	v1.1
Manufacture Date	2021-05-22
Re-Test Date	2030-06-28

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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