

## Certificate of Analysis

Product Name	Chitosan (10 - 120 cps); from Aspergillus niger
Glenthams Code	GU8949
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	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	Aspergillus niger	Conforms

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

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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