

## Certificate of Analysis

Product Name	Chitosan (30 - 100 cps); low molecular weight
Glentham Code	GP8523
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
Batch Number	015RDA
Molecular Weight	250,000 (avg.)
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification	Batch 015RDA
Physical Description	White to light-tan powder	Light-tan powder
Degree of Deacetylation	≥ 90.0%	93.1%
Ash	≤ 1.0%	0.1%
Viscosity	30 - 100 cps	49.1cps
Water	≤ 8.0%	3.8%
Solubility (in acetic acid)	≥ 99%	Conforms
pH	6.0 - 8.0 (1%, 20°C)	7.0
Arsenic (As)	≤ 1.0mg/kg	Conforms
Lead (Pb)	≤ 0.5mg/kg	Conforms
Mercury (Hg)	≤ 0.1mg/kg	Conforms
Particle Size	≤ 100 mesh	Conforms
Microbiological Counts	E. coli: ≤ 3 MPN/g	Conforms
	Salmonella spp.: Absent	Conforms
	Yeast and Moulds: ≤ 100 CFU/g	Conforms
	Total Plate Count: ≤ 1000 CFU/g	Conforms

Specification Version	v1.1
Manufacture Date	2024-05-14
Re-Test Date	2032-04-18

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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