

Product Specification

Product Name	Chitosan (1000 - 2000 cps); high molecular weight
Glentham Code	GP5053
CAS Number	9012-76-4
EINECS	618-480-0
MDL-Nummer	MFCD00161512
Molecular Weight	1,500,000 (avg.)
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to light-tan, or light-yellow powder
Degree of Deacetylation	≥ 90.0%
Ash	≤ 1.0%
Viscosity	1000 - 2000 cps (1% in 1% acetic acid, 20°C)
Water	≤ 8.0%
Solubility (in acetic acid)	≥ 99%
pH	6.0 - 8.0 (1%, 20°C)
Arsenic (As)	≤ 1ppm
Lead (Pb)	≤ 0.5ppm
Mercury (Hg)	≤ 0.1ppm
Particle Size	≤ 100 mesh
Microbiological Counts	E. coli: ≤ 3 MPN/g
	Salmonella spp.: Not detected in 25g
Total Yeast and Mould Count	≤ 100CFU/g
Total Plate Count	≤ 1000CFU/g

Specification Version	- v1.3
Date Created	- 2024-08-02

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025