

## Product Specification

Product Name	Chitosan, from squid
Glentham Code	GE4907
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
PubChem SID	310269598

Molecular Weight	~580,000
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to light-brown, or light-yellow powder
Degree of Deacetylation	≥ 90%
Ash	≤ 1.0%
Viscosity	10 - 100 cps
Water	≤ 10.0%
Solubility (in acetic acid)	≥ 99%
pH	6.0 - 8.0 (1% in 1% acetic acid, 20°C)
Arsenic (As)	≤ 1.0mg/kg
Lead (Pb)	≤ 0.5mg/kg
Mercury (Hg)	≤ 0.1mg/kg
Particle Size	≤ 0.5mm
Microbiological Counts	E. coli: ≤ 3 MPN/g
	Salmonella spp.: Absent
	Yeast and Moulds: ≤ 100 CFU/g
	Total Plate Count: ≤ 1000 CFU/g

Specification Version	- v1.1
Date Created	- 2022-04-21

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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