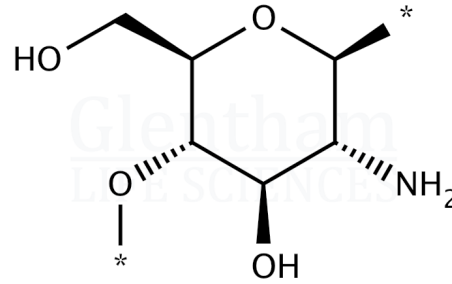


## Certificate of Analysis

Product Name Chitosan, from squid  
 Glenthams Code GE4907  
 CAS Number 9012-76-4  
 EINECS 618-480-0  
 Numéro MDL MFCD00161512  
 PubChem SID 310269598  
 Batch Number 222FLT

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



Property	Specification	Batch 222FLT
Physical Description	White to light-brown, or light-yellow powder	Light-yellow powder
Degree of Deacetylation	≥ 90%	96.1%
Ash	≤ 1.0%	0.2%
Viscosity	10 - 100 cps	68.5cps
Water	≤ 10.0%	0.8%
Solubility (in acetic acid)	≥ 99%	Conforms
pH	6.0 - 8.0 (1% in 1% acetic acid, 20°C)	Conforms
Arsenic (As)	≤ 1.0mg/kg	Conforms
Lead (Pb)	≤ 0.5mg/kg	Conforms
Mercury (Hg)	≤ 0.1mg/kg	Conforms
Particle Size	≤ 0.5mm	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 2022-03-24  
 Re-Test Date 2029-07-07

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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