

Certificate of Analysis

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

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, 2024