

## Certificate of Analysis

Product Name	Chitosan (300 - 1000 cps); medium molecular weight
Glenthams Code	GP8956
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
Batch Number	916KZJ
Molecular Weight	1,250,000 (avg.)
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification	Batch 916KZJ
Physical Description	White to light-tan powder	Almost white powder
Degree of Deacetylation	≥ 90.0%	93.5%
Ash	≤ 1.0%	0.6%
Viscosity	300 - 1000 cps	586cps
Water	≤ 8.0%	5.3%
Solubility (in acetic acid)	≥ 99%	Conforms
pH	6.0 - 8.0 (1%, 20°C)	7.0
Arsenic (As)	≤ 1mg/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	2023-08-19
Re-Test Date	2031-10-05

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.

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