

Certificate of Analysis

Product Name	Chitosan (30 - 100 cps); low molecular weight
Glenthams Code	GP8523
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
Batch Number	647JZX
Molecular Weight	250,000 (avg.)
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification	Batch 647JZX
Physical Description	White to light-tan powder	Light-tan powder
Degree of Deacetylation	≥ 90.0%	92.3%
Ash	≤ 1.0%	0.3%
Viscosity	30 - 100 cps	71.4cps
Water	≤ 8.0%	4.0%
Solubility (in acetic acid)	≥ 99%	Conforms
pH	6.0 - 8.0 (1%, 20°C)	7.3
Arsenic (As)	≤ 1.0mg/kg	Conforms
Lead (Pb)	≤ 0.5mg/kg	Conforms
Mercury (Hg)	≤ 0.1mg/kg	Conforms
Particle Size	≤ 100 mesh	Conforms
Microbiological Counts	E. coli: Absent	Conforms
	Salmonella spp.: Absent	Conforms
	Yeast and Moulds: ≤ 100 CFU/g	Conforms
	Total Plate Count: ≤ 1000 CFU/g	Conforms

Specification Version	v1.0
Manufacture Date	2023-09-27
Re-Test Date	2031-09-15

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 or contact us using the details above for the current version of this document.

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