

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

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