

## Certificate of Analysis

Product Name	Chitosan (100 - 300 cps); low molecular weight
Glentham Code	GP7325
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
Batch Number	410SQA
Molecular Weight	890,000 (avg.)
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification	Batch 410SQA
Physical Description	White to light-tan powder	Almost white powder
Degree of Deacetylation	≥ 90.0%	92.8%
Sulphated Ash	≤ 1.0%	0.3%
Viscosity (1% in 1% AcOH, 20°C)	100 - 300 cps	272cps
Water	≤ 8.0%	5.2%
Solubility (in acetic acid)	≥ 99%	Conforms
pH (1% in water, 20°C)	6.0 - 8.0	7.0
Arsenic (As)	≤ 1ppm	Conforms
Lead (Pb)	≤ 0.5ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Particle Size	≤ 100mesh	Conforms
Yeast and Mould	≤ 100CFU/g	Conforms
Total Plate Count	≤ 1000CFU/g	Conforms

Specification Version	v1.1
Manufacture Date	2023-08-19
Re-Test Date	2029-10-05

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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