

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

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