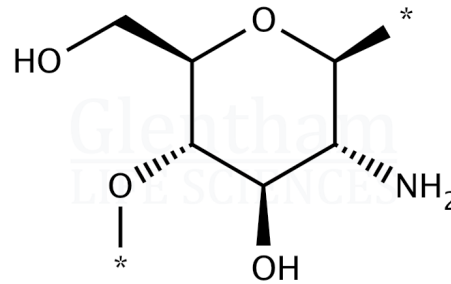


Certificate of Analysis

Product Name	Chitosan (5 cps); ultra low molecular weight
Glentham Code	GP1318
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
Batch Number	127ALC
Molecular Weight	20,000 (avg.)
Molecular Formula	$[C_6H_{11}NO_4]_n$
Storage Temp.	+20°C



Property	Specification	Batch 127ALC
Physical Description	White to light-tan powder	Light tan powder
Degree of Deacetylation	≥ 90.0%	96.6%
Sulphated Ash	≤ 1.0%	0.3%
Viscosity (1% in 1% AcOH, 20°C)	≤ 5cps	4.4cps
Water	≤ 8.0%	2.2%
Solubility (in acetic acid)	≥ 99%	Conforms
pH (1% in water, 20°C)	6.0 - 8.0	7.3
Arsenic (As)	≤ 1ppm	Conforms
Lead (Pb)	≤ 0.5ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Cadmium (Cd)	≤ 1ppm	≤ 0.3ppm
Particle Size	≤ 100mesh	Conforms
Yeast and Mould	≤ 100CFU/g	Conforms
Total Plate Count	≤ 1000CFU/g	Conforms

Specification Version	v1.1
Manufacture Date	2024-05-03
Re-Test Date	2032-04-18

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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