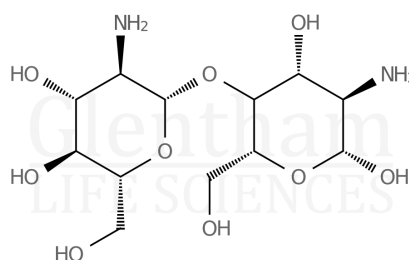


Certificate of Analysis

Product Name	Chitosan oligosaccharide
Glentham Code	GU0761
CAS Number	148411-57-8
MDL Number	MFCD00161512
Batch Number	207UAZ

Molecular Weight	≤ 5,000 (avg.)
Molecular Formula	-
Storage Temp.	+20°C



Property	Specification	Batch 207UAZ
Physical Description	Off-white to light-yellow or tan powder	Conforms
Solubility (5% in water)	Clear, yellow-brown solution	Conforms
pH (1% in water)	4.0 - 6.5	6.0
Degree of Deacetylation	≥ 72.0%	90.3%
Water	≤ 8.0%	4.5%
Molecular Weight	≤ 5000 (average)	Conforms
Arsenic (As)	≤ 0.5ppm	Conforms
Lead (Pb)	≤ 0.5ppm	Conforms
Mercury (Hg)	≤ 0.2ppm	Conforms
Cadmium (Cd)	≤ 0.2ppm	Conforms
Particle Size	≤ 100 mesh	Conforms
E. Coli	≤ 3MPN/g	Conforms
Salmonella	Not detected in 25g	Conforms
Total Yeast and Mould Count	≤ 100CFU/g	Conforms
Total Plate Count	≤ 1000CFU/g	Conforms

Specification Version	v1.1
Manufacture Date	2024-05-04
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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