

Product Datasheet

GC1909 - Chitosan

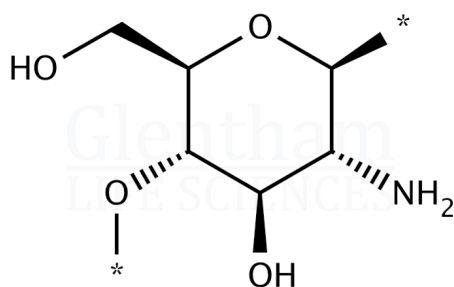
Product Details

Product Name	Chitosan
Glenthams Code	GC1909
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan, Cosmetic Raw Materials

Physical Description	: White to light tan powder
Deacetylated degree	: ≥ 90.0%
Water	: ≤ 8.0%
Sulphated Ash	: ≤ 1.5%
Arsenic	: ≤ 0.5ppm
Heavy Metals	: ≤ 10ppm
Total Plate Count	: ≤ 1000CFU/g
Yeast & Mould	: ≤ 100CFU/g
Version	: v1.0

Structure

Molecular Weight	: ~200,000
Molecular Formula	: $(C_6H_{11}NO_4)_n$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glenthams Product Specification

About Chitosan

Chitosan is a polysaccharide comprised of linked D-glucosamine and N-acetyl-D-glucosamine units. It is produced by the deacetylation of chitin, a naturally occurring polysaccharide. Chitosan is commercially used in agriculture as a biopesticide but has potential applications in the biomedical field due to its antibacterial properties. This product is derived from shrimp shell.

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