

Product Datasheet

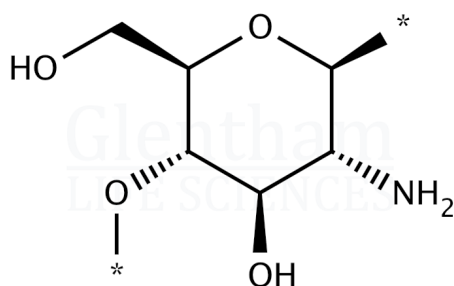
GP1318 - Chitosan (5 cps); ultra low molecular weight

Product Details

Product Name	Chitosan (5 cps); ultra low molecular weight
Glenthams Code	GP1318
CAS Number	9012-76-4
EINECS	618-480-0
MDL-Nummer	MFCD00161512
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan, Cosmetic Raw Materials

Structure

Molecular Weight	: 20,000 (avg.)
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

Physical Description	: White to light-tan powder
Degree of Deacetylation	: $\geq 90.0\%$
Sulphated Ash	: $\leq 1.0\%$
Viscosity (1% in 1% AcOH, 20°C)	: ≤ 5 cps
Water	: $\leq 8.0\%$
Solubility (in acetic acid)	: $\geq 99\%$
pH (1% in water, 20°C)	: 6.0 - 8.0
Arsenic (As)	: ≤ 1 ppm
Lead (Pb)	: ≤ 0.5 ppm
Mercury (Hg)	: ≤ 0.1 ppm
Cadmium (Cd)	: ≤ 1 ppm
Particle Size	: ≤ 100 mesh
Yeast and Mould	: ≤ 100 CFU/g
Total Plate Count	: ≤ 1000 CFU/g
Version	: v1.1

About Chitosan (5 cps); ultra low molecular weight

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.

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025