

Product Datasheet

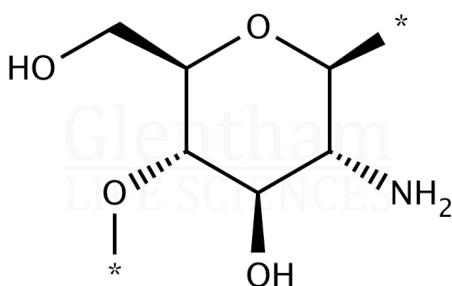
GP1318 - Chitosan (5 cps); ultra low molecular weight

Product Details

| | |
|--------------------|---|
| Product Name | Chitosan (5 cps); ultra low molecular weight |
| Glentham Code | GP1318 |
| 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 |

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.

Glentham 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.

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