

Product Datasheet

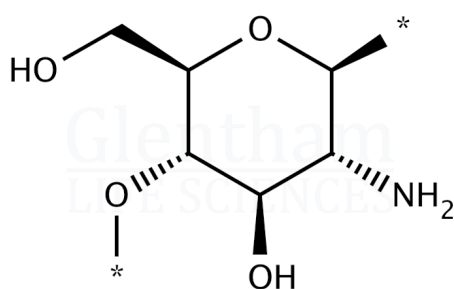
GP5480 - Chitosan (10 cps); very low molecular weight

Product Details

| | |
|--------------------|---|
| Product Name | Chitosan (10 cps); very low molecular weight |
| Glentham Code | GP5480 |
| CAS Number | 9012-76-4 |
| EINECS | 618-480-0 |
| MDL Number | MFCD00161512 |
| Related Categories | APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan |

Structure

Molecular Weight : 30,000 (avg.)
Molecular Formula : [C₆H₁₁NO₄]_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, or light-yellow powder |
| Degree of Deacetylation | : ≥ 90.0% |
| Ash | : ≤ 1.0% |
| Viscosity | : ≤ 10cps (1% in 1% acetic acid, 20°C) |
| Water | : ≤ 8.0% |
| Solubility (in acetic acid) | : ≥ 99% |
| pH | : 6.0 - 8.0 (1% in 1% acetic acid, 20°C) |
| Arsenic (As) | : ≤ 1mg/kg |
| Lead (Pb) | : ≤ 0.5mg/kg |
| Mercury (Hg) | : ≤ 0.1mg/kg |
| Cadmium (Cd) | : ≤ 1mg/kg |
| Particle Size | : ≤ 100 mesh |
| Microbiological Counts | : E. coli, S. Aureus, Coliforms: ≤ 3MPN/g (each) : Salmonella spp.: Not detected in 25g : Yeast and Moulds: ≤ 100 CFU/g : Total Plate Count: ≤ 1000 CFU/g |
| Version | : v1.1 |

About Chitosan (10 cps); very 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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