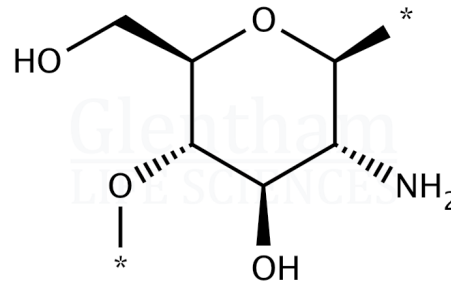


Product Specification

| | |
|-------------------|---|
| Product Name | Chitosan (1000 - 2000 cps); high molecular weight |
| Glentham Code | GP5053 |
| CAS Number | 9012-76-4 |
| EINECS | 618-480-0 |
| Numéro MDL | MFCD00161512 |
| Molecular Weight | 1,500,000 (avg.) |
| Molecular Formula | $[C_6H_{11}NO_4]_n$ |
| Storage Temp. | +20°C |



| Property | Specification |
|-----------------------------|--|
| Physical Description | White to light-tan, or light-yellow powder |
| Degree of Deacetylation | ≥ 90.0% |
| Ash | ≤ 1.0% |
| Viscosity | 1000 - 2000 cps (1% in 1% acetic acid, 20°C) |
| Water | ≤ 8.0% |
| Solubility (in acetic acid) | ≥ 99% |
| pH | 6.0 - 8.0 (1%, 20°C) |
| Arsenic (As) | ≤ 1ppm |
| Lead (Pb) | ≤ 0.5ppm |
| Mercury (Hg) | ≤ 0.1ppm |
| Particle Size | ≤ 100 mesh |
| Microbiological Counts | E. coli: ≤ 3 MPN/g Salmonella spp.: Not detected in 25g |
| Total Yeast and Mould Count | ≤ 100CFU/g |
| Total Plate Count | ≤ 1000CFU/g |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.3 |
| Date Created | - | 2024-08-02 |

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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