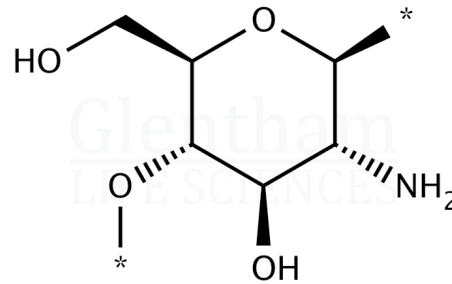


## Product Specification

|                   |  |
|-------------------|--|
| Product Name      | Chitosan (5 cps); ultra low molecular weight |
| Glentham Code     | GP1318                                       |
| CAS Number        | 9012-76-4                                    |
| EINECS            | 618-480-0                                    |
| Numéro MDL        | MFCD00161512                                 |
| Molecular Weight  | 20,000 (avg.)                                |
| Molecular Formula | $[C_6H_{11}NO_4]_n$                          |
| Storage Temp.     | +20°C  |



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

|                       |   |            |
|-----------------------|---|------------|
| Specification Version | - | v1.1       |
| Date Created          | - | 2020-02-18 |

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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