## **Glentham** LIFE SCIENCES

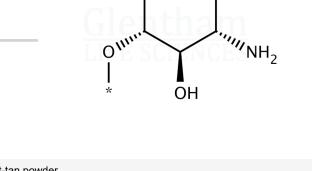
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## **Product Specification**

| Product Name   | Chitosan (5 cps); ultra low molecular<br>weight                              |    |
|--|--|----|
| Glentham Code  | GP1318   |    |
| CAS Number   | 9012-76-4  | HO |
| EINECS   | 618-480-0  |    |
| MDL Number   | MFCD00161512   |    |
| Molecular Weight<br>Molecular Formula<br>Storage Temp. | 20,000 (avg.)<br>[C <sub>6</sub> H <sub>11</sub> NO <sub>4</sub> ]n<br>+20°C |    |



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| 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 or contact us using the details above for the current version of this document.

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