

## Certificate of Analysis

|               |                                       |
|---------------|---------------------------------------|
| Product Name  | Chitosan hydrochloride (10 - 120 cps) |
| Glentham Code | GU8920                                |
| CAS Number    | 70694-72-3                            |
| Batch Number  | 719FSH                                |

|                   |       |
|-------------------|-------|
| Molecular Weight  | -     |
| Molecular Formula | -     |
| Storage Temp.     | +20°C |

| Property                 | Specification                                    | Batch 719FSH |
|--------------------------|--|--------------|
| Physical Description     | White to off-white, beige or light-yellow powder | Conforms     |
| Identification           | To pass tests                                    | Conforms     |
| Solubility (1% in water) | Colourless to pale yellow solution               | Conforms     |
| Water Insoluble Matter   | ≤ 0.5%   | 0.01%        |
| pH (1% in water)         | 4.0 - 6.0  | 4.23         |
| Viscosity                | 10 - 120 cps (1% in water, 20°C)                 | 28cps        |
| Chlorides                | 10.0 - 20.0 %                                    | 13.26%       |
| Heavy Metals             | ≤ 40ppm  | Conforms     |
| Lead (Pb)                | ≤ 0.5ppm   | Conforms     |
| Loss on Drying           | ≤ 10.0%  | 7.87%        |
| Sulphated Ash            | ≤ 1.0%   | 0.37%        |
| Degree of Deacetylation  | ≥ 80.0% (dried basis)                            | 90.24%       |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2017-11-12 |
| Re-Test Date          | 2026-01-02 |

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

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