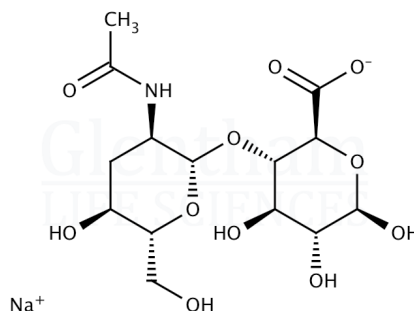


## Product Specification

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Product Name      | Hyaluronic acid sodium salt, m.w.<br>350KDa, Ph. Eur. grade |
| Glentham Code     | GE9419                                                      |
| CAS Number        | 9067-32-7                                                   |
| MDL-Nummer        | MFCD00131348                                                |
| Molecular Weight  | ~350,000                                                    |
| Molecular Formula | $(C_{14}H_{20}NNaO_{11})_n$                                 |
| Storage Temp.     | -20°C                                                       |



| Property                       | Specification  |
|--------------------------------|----------------|
| Physical Description           | White powder   |
| Assay                          | 95.0 - 105.0 % |
| Protein Content                | ≤ 0.1%         |
| Chloride (Cl)                  | ≤ 0.5%         |
| Iron (Fe)                      | ≤ 80ppm        |
| Heavy Metals                   | ≤ 10ppm        |
| Loss on Drying                 | ≤ 10.0%        |
| Bacterial Endotoxins           | ≤ 0.5IU/mg     |
| Sulfated Glycosaminoglycans    | ≤ 1%           |
| Pharmacopoeia Specification(s) | Ph. Eur.       |
| Specification Version          | - v1.0         |
| Date Created                   | - 2014-08-19   |

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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