

## Product Specification

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Product Name	Hyaluronic acid sodium salt, m.w. 1.0MDa, Ph. Eur. grade, low endotoxin
Glentham Code	GE4047
CAS Number	9067-32-7

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Molecular Weight	1,000,000
Molecular Formula	(C <sub>14</sub> H <sub>20</sub> NNaO <sub>11</sub> ) <sub>n</sub>
Storage Temp.	-20°C

Property	Specification
Physical Description	White to almost white powder, hygroscopic
Identification	A, B according to Ph. Eur.
Appearance of Solution	A <sub>600nm</sub> : ≤ 0.01
pH (5% in water)	5.0 - 8.5
Intrinsic Viscosity	To pass Ph. Eur. test
Nucleic Acids	A <sub>260nm</sub> : ≤ 0.5
Protein	≤ 0.05%
Chlorides	≤ 0.5%
Iron (Fe)	≤ 80ppm
Heavy Metals	≤ 10ppm
Arsenic (As)	≤ 2ppm
Residue on Ignition	≤ 20.0%
Bacteria Count	≤ 100CFU/g
Yeast and Mould	≤ 10CFU/g
Staphylococcus aureus	Negative
Pseudomonas aeruginosa	Negative
Hemolysis	Negative
Hemolytical Streptococci	Negative
Endotoxins	≤ 0.01EU/mg
Loss on Drying	≤ 10.0%
Glucuronic acid	≥ 46.0%
Average Molecular Weight	1.0 - 1.5 MDa
Assay	95.0 - 105.0 % (dried basis)
Pharmacopoeia Specification(s)	Ph. Eur.

Specification Version	-	v1.0
Date Created	-	2018-10-16

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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