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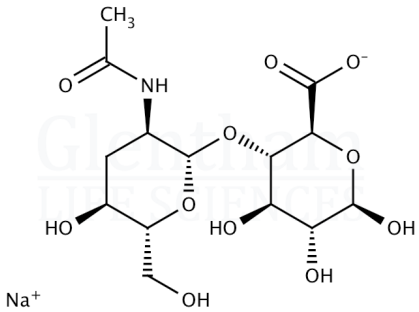
Product Specification

Product Name	Hyaluronic acid sodium salt, m.w. 1.0MDa, Ph. Eur. grade, low endotoxin
Glentham Code	GE4047
CAS Number	9067-32-7
Molecular Weight	1,000,000
Molecular Formula	$(C_{14}H_{20}NNaO_{11})n$
Storage Temp.	-20°C



Property	Specification
Physical Description	White to almost white powder, hygroscopic
Identification	A, B according to Ph. Eur.
Appearance of Solution	A600nm: ≤ 0.01
pH (5% in water)	5.0 - 8.5
Intrinsic Viscosity	To pass Ph. Eur. test
Nucleic Acids	A260nm: ≤ 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

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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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