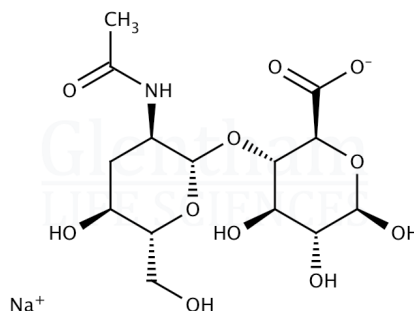


Certificate of Analysis

Product Name	Hyaluronic acid sodium salt, m.w. 30,000 - 50,000
Glentham Code	GC6191
CAS Number	9067-32-7
MDL Number	MFCD00131348
PubChem SID	310274714
Batch Number	871EGL
Molecular Weight	30,000 - 50,000
Molecular Formula	$(C_{14}H_{21}NaNO_{11})_n$
Storage Temp.	-20°C



Property	Specification	Batch 871EGL
Physical Description	White or almost white powder	Conforms
pH (0.5% in water, 25°C)	5.0 - 8.5	6.7
Absorbance	≤ 0.01 (600nm)	≤ 0.01
Absorbance	≤ 0.5 (260nm)	≤ 0.5
Protein	≤ 0.1%	0.04%
Loss on Drying	≤ 15.0%	8.1%
Heavy Metals	≤ 20ppm	≤ 10ppm
Iron (Fe)	≤ 80ppm	≤ 80ppm
Average Molecular Weight	30000 - 50000	50000
Assay	≥ 91.0% (Sodium hyaluronate)	98.4%

Specification Version	v1.1
Manufacture Date	2023-03-12
Re-Test Date	2031-04-17

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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