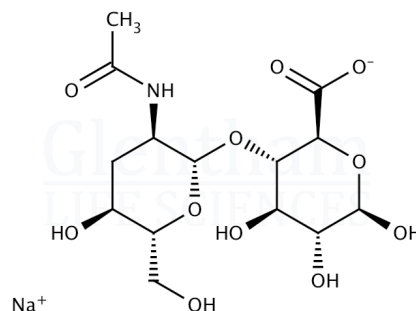


Certificate of Analysis

Product Name	Hyaluronic acid sodium salt, m.w. 1.0 - 1.5 MDa
Glentham Code	GC4582
CAS Number	9067-32-7
MDL Number	MFCD00131348
Batch Number	219LXY
Molecular Weight	1.0 - 1.5 MDa
Molecular Formula	$(C_{14}H_{21}NaNO_{11})_n$
Storage Temp.	-20°C



Property	Specification	Batch 219LXY
Physical Description	White or almost white powder	Conforms
pH (0.5% in water, 25°C)	5.0 - 8.5	6.5
Absorbance	≤ 0.01 (600nm)	Conforms
	≤ 0.5 (260nm)	Conforms
Protein	≤ 0.1%	Conforms
Loss on Drying	≤ 15.0%	6.1%
Heavy Metals	≤ 20ppm	≤ 10ppm
Iron (Fe)	≤ 80ppm	Conforms
Average Molecular Weight	1,000,000 - 1,500,000	1,050,000
Assay	≥ 91.0% (Sodium hyaluronate)	96.7%
Specification Version	v1.0	
Manufacture Date	2024-02-26	
Re-Test Date	2033-03-14	

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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