

Certificate of Analysis

Product Name Hyaluronic acid sodium salt, m.w.
1.5MDa, Ph. Eur. grade

Glentham Code GE0114

CAS Number 9067-32-7

MDL-Nummer MFCD00131348

Batch Number 142VKV

Molecular Weight ~1,500,000

Molecular Formula $(C_{14}H_{20}NNaO_{11})_n$

Storage Temp. -20°C



Property	Specification	Batch 142VKV
Physical Description	White to almost white powder, hygroscopic	Entspricht
Identification	A, B according to Ph. Eur.	Entspricht
Appearance of Solution	A600nm: ≤ 0.01	Entspricht
pH (0.5% in water)	5.0 - 8.5	6.60
Intrinsic Viscosity	To pass Ph. Eur. test	Entspricht
Sulfated Glycosaminoglycans	≤ 1.0%	Entspricht
Nucleic Acids	A260nm: ≤ 0.5	Entspricht
Protein	≤ 0.05%	0.01%
Chlorides	≤ 0.5%	0.3%
Iron (Fe)	≤ 80ppm	Entspricht
Heavy Metals	≤ 10ppm	Entspricht
Arsenic (As)	≤ 2ppm	Entspricht
Residue on Ignition	≤ 20.0%	12.4%
Bacteria Count	≤ 100CFU/g	5CFU/g
Yeast and Mould	≤ 10CFU/g	≤ 10CFU/g
Staphylococcus aureus	Negative	Entspricht
Pseudomonas aeruginosa	Negative	Entspricht
Hemolysis	Negative	Entspricht
Hemolytical Streptococci	Negative	Entspricht
Endotoxins	≤ 0.5EU/mg	Entspricht
Loss on Drying	≤ 10.0%	6.4%
Glucuronic acid	≥ 46.0%	47.3%
Assay	95.0 - 105.0 % (dried basis)	97.8%
Pharmacopoeia Specification(s)	Ph. Eur.	Conforms to Ph. Eur.

Specification Version v1.0

Manufacture Date 2016-11-21

Re-Test Date 2025-12-21

Certificate of Analysis

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025