

**Certificate of Analysis  
(Representative Sample Certificate)**

**Product Name:** Hyaluronic Acid SLMW  
**INCI Name:** Sodium Hyaluronate  
**CAS Number:** 9067-32-7  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

Analytical Tests	Standard	Results
Appearance	White powder	White powder
Glucuronic Acid	>44%	45.20%
Sodium Hyaluronate (colorimetric carbazole assay)	>91%	93.43%
Appearance of Solution	A600nm <0.01	Complies
Nucleic Acid	A260nm <0.5	Complies
pH	5.0 – 8.5	6.90
Molecular Weight (Method: GPC)	8,000 – 15,000 Daltons	10,000 Daltons
Protein	<0.05%	0.02%
Loss on Drying	<10.0%	7.5%
Residue on Ignition	<20.0%	13.5%
Chlorides	<0.5%	0.2%
Iron	<80ppm	<80ppm
Heavy Metal	<10ppm	<10ppm
Arsenic	<2ppm	<2ppm
Bacteria Count	<100CFU/g	<100CFU/g
Molds & Yeast	<10CFU/g	<10CFU/g
Staphylococcus aureus	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative
Hemolysis	Negative	Negative
Viable Hemolytical Streptococci	Negative	Negative
Conclusion	Complies with EP 4.0 Pharma Standard	

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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