

**XI'AN BIOF BIO-TECHNOLOGY CO.,LTD**Add: Room 1601 , Tower 1 , Building 25 , Gaoke Garden, Gaoxin 5th Rd, High-tech Zone,  
Xi'an, China

Tel: 86-29-88447187 Fax: 86-29-88447187

**CERTIFICATE OF ANALYSIS**

Product Name	Sodium Hyaluronate	MF	(C <sub>14</sub> H <sub>20</sub> NO <sub>11</sub> Na) <sub>n</sub>
Cas No.	9067-32-7	Manufacture Date	2024.1.25
Quantity	500KG	Analysis Date	2024.1.31
Batch No.	BF-240125	Expiry Date	2026.1.24
Items	Specifications	Results	
Physical Properties	White or almost white powder or granular, odorless, very hygroscopic. Soluble in water to form clarified solution, insoluble in ethanol, acetone or diethyl ether.	Qualified	
<b>ASSAY</b>			
Glucuronic Acid	≥ 44.5%	46.44%	
Sodium Hyaluronate	≥ 92.0%	95.1%	
<b>ROUTINE</b>			
pH (0.5% aq.sol., 25°C)	6.0 ~ 8.0	7.24	
Transmittance (0.5% aq.sol., 25°C)	T <sub>550nm</sub> ≥ 99.0%	99.0%	
Absorbance (0.5% aq. sol., 25°C)	A <sub>280nm</sub> ≤ 0.25	0.23%	
Loss on Drying	≤ 10.0%	4.79%	
Residue on Ignition	≤ 13.0%	7.90%	
Kinematic Viscosity	Measured Value	16.84%	
Molecular Weight	0.6 ~ 2.0 × 10 <sup>6</sup> Da	0.6x10 <sup>6</sup>	
Protein	≤ 0.05%	0.03%	
Heavy Metal	≤ 20 mg/kg	< 20 mg/kg	
Hg	≤ 1.0 mg/kg	< 1.0 mg/kg	
Pb	≤ 10.0 mg/kg	< 10.0 mg/kg	
As	≤ 2.0 mg/kg	< 2.0 mg/kg	
Cd	≤ 5.0 mg/kg	< 5.0 mg/kg	
<b>MICROBIAL</b>			

# Bio F XI'AN BIOF BIO-TECHNOLOGY CO.,LTD

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Bacteria Counts	$\leq 100$ CFU/g	< 100 CFU/g
Molds & Yeasts	$\leq 10$ CFU/g	< 10 CFU/g
Staphylococcus Aureus	Negative	Negative
Pseudomonas Aeruginosa	Negative	Negative
Thermotolerant Coliform Bacteria	Negative	Negative
Salmonella	Negative	Negative
Storage Condition	In an airtight container, protected from light, cold storage 2°C ~ 10°C .	
Package	10kg/carton with inner 2 layers of PE bag, or 20kg/drum.	
Conclusion	This sample meets the standard.	

Conclusion: Approved

Tested by: Zhang Xiaoxuan

