



**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Sodium Hyaluronate	<b>Batch No.</b>	JL20241023
<b>CAS</b>	9067-32-7	<b>MF Date</b>	OCT.23,2024
<b>Packing</b>	1kg/bag	<b>Analysis Date</b>	OCT.23,2024
<b>Quantity</b>	50kg	<b>Expiry Date</b>	OCT.22,2027
<b>ITEM</b>	<b>STANDARD</b>	<b>RESULT</b>	
<b>Appearance</b>	White or almost white powder or granular or fibrous solid, without visible foreign objects to the naked eye	Complied	
<b>Infrared Absorption</b>	The infrared absorption spectrum should be consistent with the control spectrum	Complied	
<b>Sodium hyaluronate content (%)</b>	95.0~105(Calculated by dry product)	98.49	
<b>Appearance of solution</b>	The solution should be clarified, $A_{600nm} \leq 0.01$	Complied	
<b>Nucleic acids</b>	$A_{260nm} \leq 0.5$	Complied	
<b>pH</b>	5.0-8.5	6.35	
<b>Average molecular weight</b>	Measured values	$1.2009 \times 10^6$ Dalton	
<b>Intrinsic viscosity (m<sup>3</sup>/kg)</b>	Measured values	1.99	
<b>Protein content (%)</b>	$\leq 0.10$	<0.03	
<b>Dry weight loss (%)</b>	$\leq 15.0$	6.57	
<b>Residue on ignition (%)</b>	$\leq 10$	<10	
<b>Chlorides (%)</b>	$\leq 0.5$	Complied	
<b>Iron (ppm)</b>	$\leq 80$	Complied	
<b>Total Colony Number (CFU/g)</b>	$\leq 100$	<10	
<b>Fungi and yeasts (CFU/g)</b>	$\leq 20$	<10	
<b>Bacterial endotoxin (EU/mg)</b>	$\leq 0.5$	<0.5	
<b>Viable Hemolytic Streptococci</b>	Negative	Negative	
<b>Hemolysis</b>	Negative	Negative	
<b>Escherichia coli/g</b>	Negative	Negative	
<b>Staphylococcus Aureus</b>	Negative	Negative	
<b>Pseudomonas Aeruginosas</b>	Negative	Negatiye	
<b>Conclusion</b>	Qualified		



**Analyst: Wen Qian**

**Quality Assurance Officer: Zhan Peng**

(JL24-001)