



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

Product Name:	Sodium hyaluronate	Batch No.	JL20211025
Cas	9067-32-7	MF Date	OCT.25,2021
Packing	1KG/BAG	Analysis Date	OCT.25,2021
Quantity	100KG	Expiry Date	OCT.24,2023
Item	Standard		Result
Appearance	White powder		White powder
Glucuronic Acid (%)	≥45.0		46.34
Sodium hyaluronate(%)	≥93.0		95.78
Transparency(0.5% Water solution)	≥99.0		100.0
PH (0.5% Water Solution)	5.0-8.5		6.66
Molecular Weight Da	Measured Value		0.30×10 ⁶
Arsenic,ppm	<2		<2
Heavy Metal(as pb),ppm	<10.0		<10.0
Protein (%)	≤0.05		0.041
Limiting Viscosity,dl/g	Measure Value		4.91
Loss on Drying (%)	≤10.0		8.18
Residue on Ignition(%)	≤20.0		12.89
Molds& Yeast,cfu/g	≤10.0		Confirm
Bacteria Count,cfu/g	<100		Confirm
Staphylococcus aureus	Negative		
Pseudomonas Aeruginosa	Negative		
Viable Hemolytical Streptococci	Negative		
Other Indexes of Microorganism	Accord with the National standard		
Conclusion	UP to the Standard		

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng