Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

CERTIFICATE OF ANALYSIS

Product Name	Sodium Hyaluronate	**Batch No.**	JL20241015
CAS	9067-32-7	**MF Date**	OCT.15,2024
Packing	5g/bag	**Analysis Date**	OCT.15,2024
Grade	Cosmetic grade	**Expiry Date**	OCT.14,2027
ITEM	**STANDARD**		**RESULT**
Appearance	White powder or granules		Complied
Infrared Absorption	The infrared absorption spectrum should be consistent with the control spectrum		Complied
Sodium salt identification reaction	Should show the positive reaction of sodium salt		Complied
Glucuronic acid content(%)	≥45.0		46.97
Sodium hyaluronate content(%)	≥95.0		97.0578
Average molecular weight(KDa)	(0.003-0.005)*10^6Dalton		0.0041*10^6Dalton
Absorbance	≤0.25		0.028
Transparency(%)	≥99.0		100
Intrinsic viscosity value(dL/g)	0.19-0.28		0.24
Dry weight loss(%)	≤10.0		7.87
pH	5.0-8.5		6.01
Pb(Pb,mg/kg)	≤2		<2
As(As,mg/kg)	≤1		<1
Hg(Hg,mg/kg)	≤0.5		<0.5
Cd(Cd,mg/kg)	≤0.5		<0.5
Heavy metal(in lead,mg/kg)	≤10		<10
Protein content(%)	≤0.10		0.01
Total Colony Number(CFU/g)	≤100		10
Fungi and yeasts (CFU/g)	≤50		<10
Escherichia Coli /g	Negative		Negative
Coliforms /g	Negative		Negative
Staphylococcus Aureus	Negative		Negative
Pseudomonas Aeruginosas	Negative		Negative
Conclusion	**Qualified**		

Analyst: *Wen Qian*

Quality Assurance Officer: *Zhan Peng*

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