

## CERTIFICATE OF ANALYSIS

Product Name	Cosmetic grade sodium hyaluronate 1.2 million		
Batch Number	BH241128	Analysis Date	2024-11-30
Manufacture Date	2024-11-28	Expiry Date	2027-11-27

Items	Standards	Results
<b>Physical and chemical analysis:</b>		
Appearance	White to light yellow powder or particles	Conform
Sodium salt differential reaction	The positive reaction of sodium salt should be displayed	Conform
Infrared absorption	The infrared absorption pattern should be consistent with the control pattern	Conform
Glucuronic acid content	≥45%	47.03%
Sodium hyaluronate content	≥92%	97.24%
Protein content	≤0.1%	0.046%
Average relative molecular mass	Measured value (80%-120% of the marked amount)	1204349
Moisture	≤10%	7.12%
pH(5mg/ml, aqueous solution, 25℃)	5-8.5	6.36
The transmittance of the solution	≥99%	100%
Absorbance (5mg/ml, aqueous solution, 280nm)	≤0.25	0.083
<b>Heavy metal:</b>		
Pb	≤20ppm	<20ppm
<b>Microbiological:</b>		
Total colony	≤100cfu/g	<10cfu/g
Saccharomyces	≤50cfu/g	<10cfu/g
Staphylococcus aureus	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative
<b>General Information:</b>		
Conclusion	Comply with QB/T 4416-2012	
Storage	Store in a dry and cool place to prevent strong light exposure	
Shelf life	The shelf life is 36 months	

Tested by: Tony Liu

Approved by: Mike He

Certified by: Albert Li

