

## CERTIFICATE OF ANALYSIS

23-E071308

Product name:	Hybloom™ High Molecular Weight Sodium Hyaluronate (HA-THM)	Standard:	HX/ZL-001-036
Batch No.:	J201230565	Production date:	July 08, 2023
Quantity:	299.468 kg	Expiry date:	July 08, 2025

Items	Standard	Results
1. Characters	White or almost white powder or granules	Complies
2. Identification		
A. Infrared absorption	Complied with the reference spectrum of sodium hyaluronate	Complies
B. Reaction of sodium	Positive	Complies
3. pH	6.0~7.5	6.4
4. Transparency	≥99.0%	100.0%
5. Loss on drying	≤15.0%	7.6%
6. Limiting viscosity	≥27.2 dl/g	31.6 dl/g
7. Molecular weight	≥1.80M Da	2.18M Da
8. Protein	≤0.05%	0.026%
9. Heavy metals	≤20 ppm	<20 ppm
10. Bacteria counts	<100 cfu/g	Complies
11. Mold & Yeast	<10 cfu/g	Complies
12. <i>Staphylococcus aureus</i>	Negative	Negative
13. <i>Pseudomonas aeruginosa</i>	Negative	Negative
14. Glucuronic acid	≥46.0%	46.6%
15. Sodium hyaluronate	≥95.0%	96.4%