



BLOOMAGE BIOTECHNOLOGY CORP., LTD.

NO.678 TIANCHEN ST.,HIGH-TECH DEVELOPMENT ZONE,

JINAN,CHINA 250101

CERTIFICATE OF ANALYSIS

25-E021104

Product name: HAPLEX® Plus Sodium Hyaluronate (HA-F)

Standard: HX/ZL-001-101

Batch No.: J202250070

Production date: Feb.05, 2025

Quantity: 109.900 kg

Validity: Three years

Items	Standard	Results
1. Characters	White or almost white powder or granules	Complies
2. Identification		
Infrared absorption	Consistent with reference spectrum of sodium hyaluronate	Complies
Reaction of sodium	Positive	Complies
3. Particle size	Pass through a 60 mesh sieve	Complies
4. pH	6.0~8.0	6.5
5. Tapped density	Measured value	0.4 g/cm ³
6. Bulk density	Measured value	0.3 g/cm ³
7. Loss on drying	≤10.0%	6.7%
8. Limiting viscosity	Measured value	6.2 dL/g
9. Molecular weight	Measured value	270K Da
10. Ash	≤13.0%	8.7%
11. Heavy metals	≤10 ppm	<10 ppm
12. Arsenic	≤1.5 ppm	<1.5 ppm
13. Lead	≤1.0 ppm	<1.0 ppm
14. Mercury	≤0.1 ppm	<0.1 ppm
15. Cadmium	≤0.5 ppm	<0.5 ppm
16. Bacteria counts	≤100 cfu/g	Complies
17. Mold & Yeast	≤50 cfu/g	Complies
18. <i>Escherichia coli</i>	Negative	Negative
19. <i>Staphylococcus aureus</i>	Negative	Negative
20. <i>Salmonella</i>	Negative	Negative
21. Glucuronic acid	≥46.0%	46.9%
22. Sodium hyaluronate	≥95.0%	96.9%

Conclusion: up to the standard

QA Manager:

质检专用章

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Reviewed by:

2025.02.11

Reported by:

2025.02.11