

山东焦点福瑞达生物股份有限公司 Shandong Focusfreda Biotech Co., Ltd.

CERTIFICATE OF ANALYSIS

NO.: C-250425510

Product name: Sodium hyaluronate

Grade: Cosmetic grade

Abbreviation:

SH-TE

Production date:

April 22,2025

Batch No.:

25042211

Retest Date:

April 22,2027

Quantity:

288.2kg

Standard:

Reference to ZL-01-026

Item	Standard	Result
1.Appearance	White or almost white powder or granule	Complies
2.Sodium hyaluronate	≥95.0%	97.4%
3.Appearance of solution	$A_{600nm} \leq 0.01$	0.000
4.Nucleic Acids	$A_{260nm} \leq 0.5$	0.14
5.pH(0.5% ap.sol.,25°C)	5.0~8.5	6.8
6.Molecular weight	1.50M~1.80M Da	1.70M Da
7.Protein	≤0.1%	0.04%
8.Loss on drying	≤10.0%	6.8%
9.Residue on Ignition	≤20.0%	<20.0%
10.Chlorides	≤0.5%	Complies
11.Iron	≤80ppm	<80ppm
12.Heavy metal	≤20ppm	Complies
13.Arsenic	≤2ppm	<2ppm
14.Bacteria counts	≤100cfu/g	<10cfu/g
15.Molds & Yeasts	≤50cfu/g	<10cfu/g
16.Staphylococcus arreus ocustreda Biolech	Negative/g	Negative
17. Pseudomonas deruginosa	Negative/g	Negative

Conclusion: up to the standard, reference to EP

Reported by: EBBB LOW ORK

Approved by: FUZ MB WY5-04-75

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