

Certificate of Analysis

Product Name	Sodium Hyaluronate	Batch Number	HJ20210423
Grade	Cosmetic grade	Manufacture Date	20210423
Test Method	QB/T 4416-2012	Analysis Date	20210430
Quantity	500kg	Expiry Date	20230422

ITEMS	SPECIFICATION	RESULTS
Assay	≥93.0%	95.3%
Physical & Chemical		
Identification	IR Identification or comparable test	Complies
Appearance	White powder	Complies
Transparency (in 0.1%aq.sol.,)	≥99.0%	100.0%
pH	6.0~7.5	6.4
Molecular weight	(0.8~1.5)×10 ⁶ Da	1.11×10 ⁶ Da
Kinematic viscosity	Actual value	35.17mm ² /s
Intrinsic viscosity	Actual value	18.74dL/g
Mesh	≥80	Complies
Loss on drying	≤10.0%	8.3%
Residue on ignition	15.0~20.0%	19.0%
Protein	≤0.1%	0.03%
Glucuronic acid	≥45.0%	46.1%
Heavy metals		
Heavy metals	≤20ppm	<20ppm
Arsenic	≤2ppm	<2ppm
Microbiological		
Total bacterial count	≤100CFU/g	<100CFU/g
Yeasts & mold	≤100CFU/g	<100CFU/g
E. coli	Negative	Negative
Staph	Negative	Negative
Pseudomonas	Negative	Negative
Salmonella	Negative	Negative
Judgment	The results meet the requirements of the specifications.	
Storage condition	Light proof, cold storage 2℃~10℃ and seal container.	