



CERTIFICATE OF ANALYSIS

Product Name	Hyaluronic Acid (80 0000-150 0000)		
Specification	Cosmetic Grade		
Batch Number	20211221	Manufacture Date	20211221
Raw Material	Fermented		
Report Date	20211221	Expiry Date	20251220

Item of Analysis	Specification	Results
Appearance	White powder	White powder
Glucuronic Acid	≥44%	47.45%
Sodium Hyaluronate	≥91%	99.12%
Appearance of Solution (0.1% Water Solution)	A600nm ≤ 0.01	Complied
Nucleic Acid	A260nm ≤ 0.5	Complied
pH (0.1% Water Solution)	5.0-8.5	6.73
Molecular Weight	100-180W 106 Da.	130w Da.
Protein	≤0.1%	0.02%
Loss on drying	≤10%	7.43%
Residue on Ignition	≤20.00 %	16.57%
Chlorides	≤0.5%	0.3%
Iron	≤80ppm	<80ppm
Heavy metal	≤10ppm	<10ppm
Arsenic	≤2ppm	<2ppm
Bacteria Count	≤100CFU/G	<100CFU/G
Molds & Yeast count	≤10CFU/g	<10CFU/g
Staphylococcus aureus	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative
Hemolysis	Negative	Negative
Viable Hemolytical Streptococci	Negative	Negative

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