

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Hyaluronic Acid MMW(100-500kDa)
<b>INCI Name</b>	Sodium Hyaluronate
<b>CAS#</b>	9067-32-7
<b>Lot Number</b>	HA221115
<b>Manufacture Date</b>	11/2022
<b>Re-test Date</b>	11/2024

Analytical Tests	Standard	Result
<b>Appearance</b>	White powder or granules	Complied
<b>Glucuronic Acid, %</b>	≥ 45.0	47.8
<b>Sodium Hyaluronate, %</b>	≥ 93.0	98.9
<b>Transparency, %</b>	≥ 99.0	100
<b>pH 0.1% Water Solution</b>	6.0 - 7.5	6.4
<b>Limiting Viscosity, dL/g</b>	2.86 - 11.6	10.8
<b>Molecular Weight, MDa</b>	0.1 - 0.50	0.45
<b>Protein, %</b>	≤ 0.05	0.01
<b>Loss on Drying, %</b>	≤ 10.0	7.1
<b>Heavy Metal as Pb, ppm</b>	≤ 20	< 10
<b>Bacterial Endotoxin</b>	< 0.5	< 0.5
<b>Bacteria Count, CFU/g</b>	≤ 100	Complied
<b>Molds&amp;Yeast, CFU/g</b>	≤ 10	Complied
<b>Staphylococcus Aureus</b>	Negative	Negative
<b>Pseudomonas Aeruginosa</b>	Negative	Negative

### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**

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