

CERTIFICATE OF ANALYSIS

Product Name	Hyaluronic Acid SLMW (8 - 15 kDa)
Product Code	AL00045
INCI Name	Sodium Hyaluronate
CAS Number	9067-32-7
Lot Number	230928101
Manufacture Date	09/2023
Re-test Date	09/2026

Items	Specification	Results
Appearance	White powder	White powder
Glucuronic Acid	≥ 44.0%	46.3%
HA	≥ 93.0%	95.8%
pH	6.0 ~ 7.5	6.6
Transparency	≥ 98.0%	100.0%
Loss on drying	≤ 10.0%	8.8%
Molecular weight	5.0 ~ 10.0 kDa	9.93 kDa
Protein	≤ 0.05 %	0.03%
Heavy metals	≤ 20 ppm	Complies
Lead	≤ 10 mg/kg	< 10 mg/kg
Arsenic	≤ 2 mg/kg	< 2 mg/kg
Mercury	≤ 1 mg/kg	< 1 mg/kg
Cadmium	≤ 5 mg/kg	< 5 mg/kg
Total plate count	≤ 100 cfu/g	< 10cfu/g
Yeast & mould	≤ 10cfu/g	< 10cfu/g
<i>Pseudomonas aeruginosa</i>	Negative	Negative
<i>Staphylococcus aureus</i>	Negative	Negative

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
 When stored for a period longer than the one specified above, quality should be checked before use.

As it is electronically generated document, hence no signature required

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