

## CERTIFICATE OF ANALYSIS

|                         |                               |
|-------------------------|-------------------------------|
| <b>Product Name</b>     | Hyaluronic Acid (800-1500kDa) |
| <b>INCI Name</b>        | Sodium Hyaluronate            |
| <b>CAS#</b>             | 9067-32-7                     |
| <b>Lot Number</b>       | SQT2023118                    |
| <b>Manufacture Date</b> | 11/2023                       |
| <b>Re-test Date</b>     | 11/2025                       |

| Analytical Tests              | Specification          | Result       |
|-------------------------------|------------------------|--------------|
| <b>Appearance</b>             | White odorless powder  | CONFORMS     |
| <b>Protein</b>                | 0.5 max at 280nm       | 0.07         |
| <b>Molecular Weight</b>       | 800,000-1,500,000      | 1,420,000    |
| <b>Assay</b>                  | 90.0% min on dry basis | 98.3%        |
| <b>Glucuronic Acid</b>        | 42-50%                 | 45.0%        |
| <b>Loss on Drying</b>         | 10.0% max              | 6.2%         |
| <b>pH Value</b>               | 5.0-7.5                | CONFORMS     |
| <b>Arsenic</b>                | 1.0ppm max             | 0.06 ppm     |
| <b>Cadmium</b>                | 1.0ppm max             | <0.01 ppm    |
| <b>Lead</b>                   | 0.5ppm max             | 0.05 ppm     |
| <b>Mercury</b>                | 1.0ppm max             | <0.02 ppm    |
| <b>Residue on Ignition</b>    | 20.0% max              | 18.1%        |
| <b>Mesh Size</b>              | 60~200 mesh            | 100% thru 60 |
| <b>Bulk Density</b>           | 0.10-0.40 g/ml         | 0.33 g/ml    |
| <b>Tap Density</b>            | 0.20-0.50 g/ml         | 0.42 g/ml    |
| <b>Total Plate Count</b>      | 1,000 cfu/g max        | <10 cfu/g    |
| <b>Staphylococcus Aureus</b>  | Negative               | NEGATIVE     |
| <b>E. Coli</b>                | Negative               | NEGATIVE     |
| <b>Coliforms</b>              | <100 cfu/g             | CONFORMS     |
| <b>Salmonella</b>             | Negative               | NEGATIVE     |
| <b>Yeast &amp; Mold cfu/g</b> | <100 cfu/g             | <10 CFU/G    |

### **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.

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