BaseBulk

# CERTIFICATE OF ANALYSIS

| | |
|---|---|
| **Product Name:** | Sodium Hyaluronate |
| **Batch Number:** | 763-20260923 |
| **Manufacture Date:** | September 23, 2026 |
| **Expiry Date:** | September 22, 2029 |
| **Shelf life:** | 3 years when properly stored |
| **Storage condition:** | Seal and store in a cool and dry place, avoiding direct sunlight |

**Physical & Chemical Characteristics**

| Analysis Item | Specification | Result |
|---|---|---|
| Appearance | White or almost white powder or granule | Complies |
| Odor | Characteristic | Complies |
| Taste | Characteristic | Complies |
| Loss on Drying | ≤10.0% | 8.95% |
| Residue on Ignition | ≤20.0% | 15.42% |
| pH | 5.0 - 8.5 | 6.1 |
| Molecular Weight | (0.8–1.2) ×$10^6$ Dalton | 0.88×$10^6$ Dalton |
| Particle Size | 100% pass 60 mesh | Complies |
| Transparency | ≥99.0% | Complies |
| Protein | ≤0.1% | 0.082% |

**Heavy Metals**

| Analysis Item | Specification | Result |
|---|---|---|
| Heavy Metals | ≤10 ppm | Complies |
| Arsenic (As) | ≤2 ppm | Complies |
| Lead (Pb) | ≤2 ppm | Complies |
| Cadmium (Cd) | ≤1 ppm | Complies |
| Mercury (Hg) | ≤0.1 ppm | Complies |

**Assay**

| Analysis Item | Specification | Result |
|---|---|---|
| Sodium Hyaluronate | ≥95.0% | 95.49% |
| Glucuronic Acid | ≥44.0% | 46.19% |

**Microbiological Tests**

| Analysis Item | Specification | Result |
|---|---|---|
| Total Plate Count | ≤1000 CFU/g | <10 CFU/g |
| Mould | ≤100 CFU/g | <10 CFU/g |
| Yeast | ≤100 CFU/g | <10 CFU/g |
| Coliforms | ≤0.92 MPN/g | Negative |
| Salmonella | Negative | Complies |

BaseBulk