GREEN VALLEY LABORATORY

# CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| **Product:** | Hyaluronic Acid (HMW) | | |
| **Lot #:** | 7403 | **Re-test:** | December 2028 |
| **INCI:** | Hyaluronic Acid | | |

| Property | Specification | Analysis |
|---|---|---|
| Product Grade | Personal Care Grade | Pass |
| Appearance | Powder | Pass |
| Solubility | Water soluble | Pass |
| Homogeneity | Completely homogenous | Pass |
| Pesticides | Conforms to USP <565> | Pass |
| Certification | Kosher certified | Pass |
| Molecular Weight, M Dalton | 1.5 ± 0.2 | Pass |
| **Analysis** | | |
| Standard 1 (HA), % (Eu. Pharmacopoeia) | ≥ 95.0 | Pass |
| Standard 2 (Glucuronic Acid), % (Eu. Pharmacopoeia) | ≥ 46.0 | Pass |
| Loss on Drying, % | < 10 | Pass |
| Identification (HPTLC) | Conforms | Pass |
| pH (0.5% Aqueous Solution) | 6.0 – 8.0 | Pass |
| Total Heavy Metals, ppm (USP <233>) | < 20 | Pass |
| Transparency (Eu. Pharmacopoeia) | ≥ 99% | Pass |
| Color (Visual) | White to off-white | Pass |
| Odor (Organoleptic) | Compares to standard | Pass |
| Taste (Organoleptic) | Compares to standard | Pass |
| **Microbiological Tests** | | |
| Total Plate Count, cfu/g (FDA-BAM) | < 100 | Pass |
| Yeast and Mold, cfu/g (FDA-BAM) | < 100 | Pass |
| E. Coli (FDA-BAM) | Negative | Pass |
| Salmonella (FDA-BAM) | Negative | Pass |
| Staph Aureus (FDA-BAM) | Negative | Pass |
| Total Coliforms, MPN/g (FDA-BAM) | < 10 | Pass |

The above data were obtained using the test-indicated method. Results may vary under other test methods and are subject to the deviation inherent in the test conditions.

## DISCLAIMER

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