GREEN VALLEY LABORATORY

CERTIFICATE OF ANALYSIS

Product:	Hyaluronic Acid (HMW)		
INCI:	Hyaluronic Acid		
Lot #:	1252	**Re-test:**	December 2029

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, % (Draco-1.1.1.0)	< 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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