



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## ULMW HYALURONIC ACID POWDER (ULTRA LOW MOLECULAR WEIGHT)

### CERTIFICATE OF ANALYSIS

LOT: BN260601/BE

**Manufacture Date:** June 1, 2024

**Expiration Date:** May 30, 2026

**QA Signature:** Steven Konert

Specification	Parameter	Result
Appearance	White or almost white powder or granule.	Complied
Glucuronic Acid	≥ 44.5%	46.3%
Hyaluronic Acid	≥ 92.0%	96.7%
pH	5.0 - 8.5	6.7%
Transmittance	T <sub>660nm</sub> ≥ 99.0%	99.9%
Loss on Drying	≤ 10.0%	7.7%
Molecular Weight	Measured Value	5000
Intrinsic Viscosity	Measured Value	0.27dL/g
Absorbance (0.5% aq.sol)	A <sub>280nm</sub> ≤ 0.25	0.09
Transmittance (0.5% aq.sol)	T <sub>550 nm</sub> ≥ 99.0%	99.9%
Protein	≤ 0.1%	0.033%
Mercury (Hg)	≤ 1.0 mg/kg	< 1.0 mg/kg
Cadmium (Cd)	≤ 5.0 mg/kg	< 5.0 mg/kg
Lead (Pb)	≤ 10 mg/kg	< 10.0 mg/kg
Arsenic (As)	≤ 2.0 mg/kg	< 2.0 mg/kg
Bacteria Counts	≤ 100 CFU/g	Complied
Yeast & Mold	≤ 50 CFU/g	Complied
Staphylococcus aureus	Negative/g	Negative
Pseudomonas Aeruginosa	Negative/g	Negative
Thermotolerant Coliform Bacteria	Negative/g	Negative
Conclusion	Standard qualified	

Shelf life is guaranteed for two years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by Buyer.