XI'AN LAND NUTRA CO.,LTD
Room 1202, Building 1, Vanke Huizhi Center, No. 56, Xifeng Road, Yanta District, Xi'an City, Shaanxi Province,China

Technical Date Sheet

1. Product and Company Information

Product Name: Hyaluronic Acid Powder (Sodium Hyaluronate)
Product Code: HA-PWD-001
Recommended Use: Dietary supplement ingredient, Functional food additive, Cosmetic ingredient
Restrictions: Not for diagnostic or therapeutic use.
Manufacturer Details: Xi'an Land Nutra Co., Ltd.
Address: 12th Floor, Vanke Huizhi Center, Yanta District, Xi'an City, Shaanxi, China
Email: sale01@landnutra.com

2. Product Composition

Component	Chemical/Botanical Name	CAS No.	Content
Active Ingredient	Sodium Hyaluronate	9067-32-7	≥ 90%
Moisture	Water	7732-18-5	≤ 10%
Others (Sodium, etc.)	–	–	Balance

3. Physical and Chemical Properties

Property	Specification	Test Method
Appearance	White to off-white fine powder	Visual
Odor	Odorless	Organoleptic
Taste	Tasteless	Organoleptic
Bulk Density	0.5–0.8 g/cm³	USP <616>
Particle Size	95% < 100 μm	Laser diffraction
pH (1% solution)	6.0–7.5	Potentiometric

Property	Specification	Test Method
Solubility in Water	Soluble (clear solution)	–
Viscosity (1% solution, 25°C)	≥ 1000 mPa·s	Brookfield viscometer
Water Activity (aw)	≤ 0.15	ISO 21807

4. Technical Performance Data

Performance Parameter	Specification	Test Method
Potency Analysis		
Hyaluronic Acid Content	≥ 90%	HPLC-RID
Molecular Weight Range	800 kDa – 1,500 kDa	GPC
Stability Data		
6-month stability at 25°C/60% RH	Retention ≥ 95%	Accelerated study
12-month stability at 25°C/60% RH	Retention ≥ 90%	Accelerated study
Physical Performance		
Flowability	Excellent (Hausner Ratio < 1.20)	USP <1174>
Disintegration time (in tablet)	≤ 15 minutes	USP <701>

5. Application Guidelines

Recommended Applications:
Dietary supplements (capsules, tablets, powders)
Functional foods and beverages (liquid, gel, powder forms)
Cosmetic formulations (serums, creams, masks, lotions)
Nutraceutical and skincare products

Usage Recommendations:
Typical dosage range: 50–200 mg per serving (supplement)
Suggested daily intake: 100–200 mg daily
Compatibility: Compatible with most cosmetic and food-grade excipients
Processing conditions: Stable at temperatures below 70°C; avoid prolonged high heat
Mixing instructions: Slowly add to water with stirring for best dissolution; can be dry-blended in powder formulations

6. Storage and Handling Information

Parameter	Requirement
Storage Temperature	15–25°C (59–77°F)
Relative Humidity	< 60% RH
Light Protection	Store in original, opaque containers
Container	Keep tightly sealed
Shelf Life	24 months from date of manufacture
Special Precautions	Protect from moisture; avoid direct sunlight

7. Packaging Specifications

Package Type	Net Weight	Packaging Material
Small package	1 kg	Double-layer polyethylene bag with aluminum foil lining
Standard package	25 kg	Double-layer food-grade PE bag + aluminum foil + fiber drum
Bulk packaging	Customizable	Upon request

8. Remarks & Compliance

Allergen Statement: This product is free from major allergens (gluten, soy, dairy, egg, shellfish, nuts).
GMO Status: Non-Genetically Modified.

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Certifications: Manufactured in a facility compliant with FDA cGMP for Dietary Supplements and Cosmetic Good Manufacturing Practices. COA (Certificate of Analysis) is available upon request for each batch.

