

# Hyaluronix<sup>®</sup>



## DESCRIPTION

While drinking water hydrates our bodies internally, exposure to water, such as soaking in the tub or swimming, often leaves our skin wrinkled and drier. This happens because water alone is not the ideal hydrator for our skin. True hydration requires substances that work with the skin's natural structure to retain moisture effectively. The combination of different molecular weights in Hyaluronix<sup>®</sup> ensures hydration reaches every layer of the skin. High molecular weight HA forms a protective barrier to lock in moisture, medium molecular weight HA enhances hydration in the mid-layers, and low molecular weight HA penetrates deeply to replenish moisture at the cellular level.

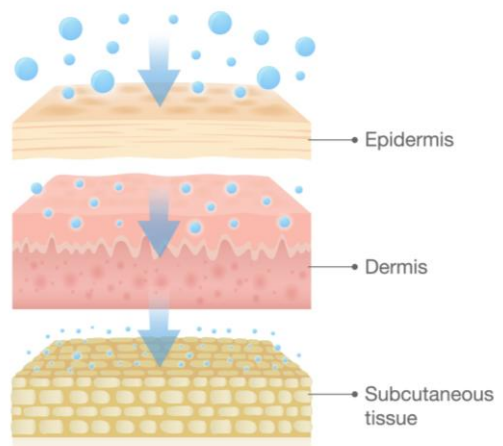
Within virtually every cell of our body—skin, joints, and connective tissues—exists **Hyaluronan (Hyaluronic Acid)**, a polyanionic natural polymer capable of binding up to **1,000 times its weight in water** at the cellular level. This extraordinary water-binding ability results in visibly plumper, smoother skin, reducing the appearance of fine lines and enhancing overall skin texture. Unfortunately, as we age, the body's production of this vital molecule declines, leading to visible signs of dehydration and loss of elasticity.

Traditional cosmetic-grade Hyaluronic Acid, with its high molecular weight (~1 million daltons), is too large to penetrate the skin's surface effectively. By incorporating medium and low molecular weight HA, Hyaluronix<sup>®</sup> delivers hydration to deeper layers of the skin, visibly improving elasticity and diminishing fine lines for a rejuvenated appearance. While it provides hydration benefits at the surface level, deeper delivery remains a challenge for most formulations.

**High Molecular Weight (>1 million daltons)**  
for surface-level hydration and barrier support.

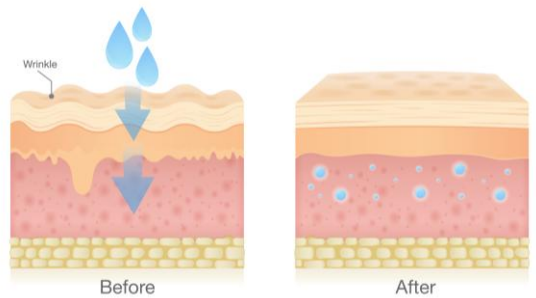
**Medium Molecular Weight (>100k daltons)**  
for hydration within the mid-layers of the skin.

**Low Molecular Weight (>10k daltons)**  
for deep-layer penetration and support.



## FORMULATING GUIDELINES

HYALURONIX® is an easy to incorporate into sprays, gels, creams and lotions. It is a hydrophilic, powder solution with a typical usage level of at 0.1 – 0.5%, with some therapeutic products containing much more. HYALURONIX® should be added to the final phase, once the batch is below 55c.



## SAMPLE FORMULATION

### Hydrating B5 Serum

- |                   |       |
|-------------------|-------|
| 1. Purified Water | 90.0% |
| 2. DI-Panthenol   | 5.0%  |
| 3. Hyaluronix®    | 0.5%  |
| 4. Euxyl PE 9010  | 1.0%  |

## PRODUCT SPECS

Trade Name:	HYALURONIX®		
INCI NAME:	Sodium Hyaluronate (Multi-Molecular)		
Appearance:	White powder		
pH:	5.0 – 7.0 (when in an aqueous solution)		
Heavy Metals:	< 20 ppm		
Preservative:	Phenoxy Ethanol and Ethylhexylglycerin		
Bacteria Count:	< 100 CFU/g	Mold & Yeast	< 100 CFU/g
Storage:	Airtight container, away from heat, light and moisture.		
Shelf Life:	2 Years		

### California Prop 65 Statement

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product is not known to the State of California to cause cancer, birth defects or other reproductive harm.

### Disclaimer

The information contained herein is presented in good faith, believed to be accurate, and provided for illustration purposes. Because different factors may affect processing, application, or use, it is recommended that you perform tests to determine the suitability of a product for your particular purposes prior to use. No representations or warranties of any kind, either express or implied, including merchantability or fitness for a particular use, are made regarding products described or that information may be used without infringing the intellectual property rights of others.

**INNOVATIVE NATURALS**

325 SW 15<sup>th</sup> Avenue  
Pompano Beach, FL 33069



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