



CAS#:9067-32-7

IRONATE MW

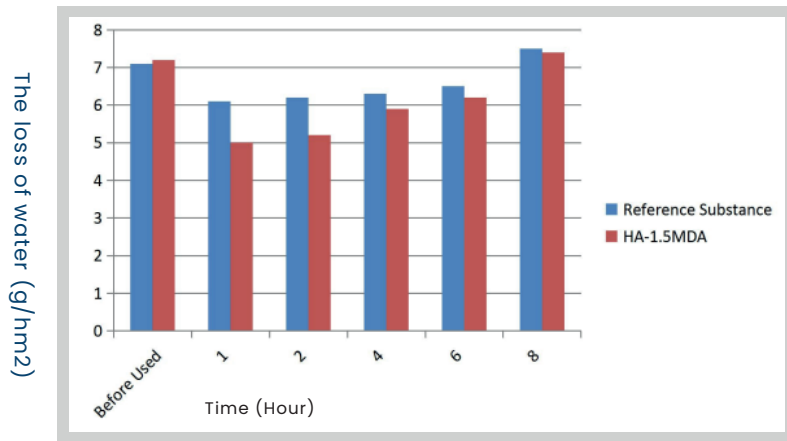
LOW-MEDIUM-HIGH

- Deep Hydration
- Anti-Aging
- Skin Barrier Support

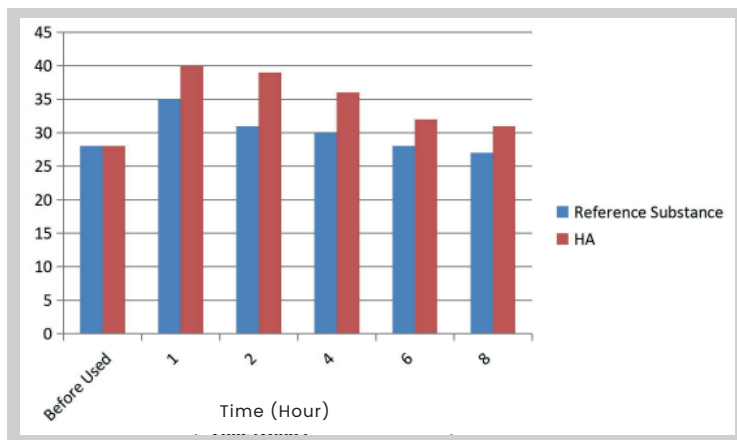
BIOALKEMIA 

Sodium Hyaluronate, a naturally occurring glycosaminoglycan, is a key component of the extracellular matrix, essential for cellular protection, osmoregulation, and intense moisturization. As the salt form of hyaluronic acid (HA), it excels at binding water to fill the spaces between collagen and elastin fibers, supporting skin structure and promoting daily maintenance. This water-soluble, high molecular weight biopolymer delivers exceptional hydration and boosts skin's resilience and vitality.

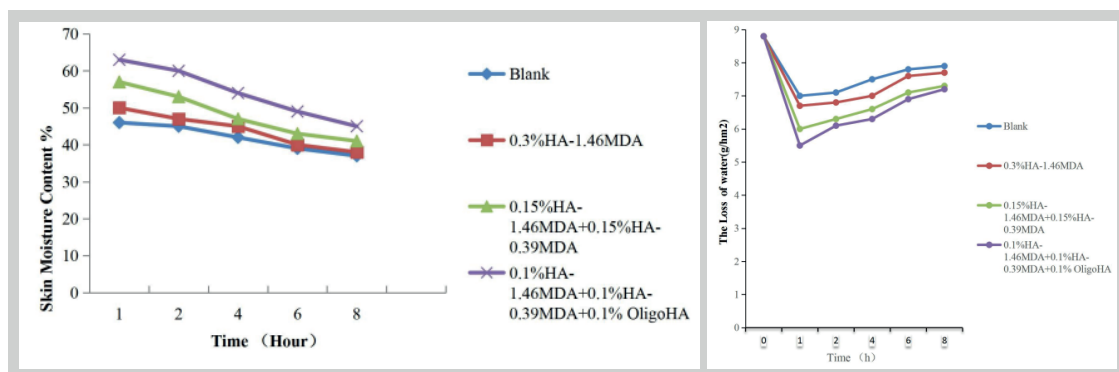
Available Formats	Molecular Weight	Functions
iRonate (Low molecular weight)	0.5 x 105Da -6.0 x 105Da	Penetrates skin easier, enlarges blood capillaries and speeds blood circulation consequently nourishing skin deeply.
iRonate (Medium molecular weight)	0.8 x 106Da -1.5 x 106Da	Most common presentation. Good moisturizing and film-forming effects.
iRonate (High molecular weight)	1.6 x 106Da -2.2 x 106Da	Excellent moisturizing, lubricating and film-forming properties. It can form a thin layer in skin's surface and maintain a smoothness as well as keeps protects skin from bacteria, dust and UV rays.



▶ The low molecular weight sodium hyaluronate (HA) can easily absorbed by skin, increase skin nutrition and long-lasting moisturizing.



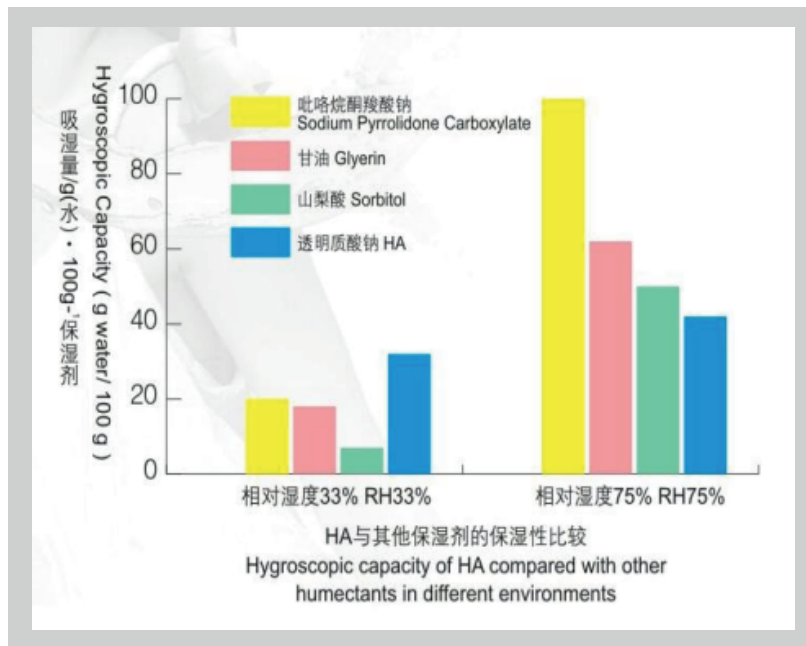
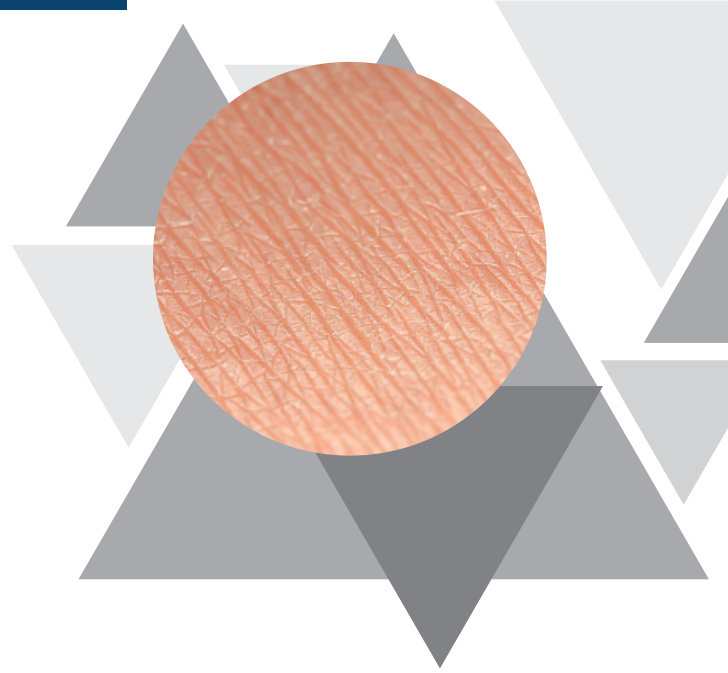
▶ Different molecular weight of sodium hyaluronate (HA) have different efficiencies, used in conjunction can achieve solid moisturizing and multiple skin care effects.



Effect Experiment of Sodium Hyaluronate (HA)

1. STABLE MOISTURIZATION

Compared with other moisturizers, sodium hyaluronate has a bidirectional modulatory effect on the water of skin. One of the most unique properties of sodium hyaluronate is its ability to maintain a stable level of humidity absorption and moisture in the skin regardless of changes in the external environment. If the relative humidity of surrounding environment is high, sodium hyaluronate on the surface of skin can control the regular water metabolism, if the humidity is low, hydroxyl from sodium hyaluronate can seize hydrone in the skin and strengthen the water holding capacity of the human body and maintain skin lubricity.



2. THE EFFICIENCY OF DIFFERENT MOLECULAR WEIGHT

- ▶ High molecular weight sodium hyaluronate(HA) form a breathable protective film on the skin surface, preventing skin damage, thickening and keeping emulsion stable.

3. SAFETY TEST DATA OF SODIUM HYALURONATE

1 Acute Oral Toxicity	Negative
2 Primary Dermal Irritation	Negative
3 Cumulative Dermal Irritation	Negative
4 Skin Sensitization	Negative
5 Phototoxicity	Negative
6 Photosensitization	Negative
7 Mutagenicity	Negative
8 Humane Insult Patch Test	Negative

CAS#:9067-32-7

IRONATE MW

LOW-MEDIUM-HIGH

APLICACIÓN

- Skin care Products:

Creams, serum,
sheet masks, anti-aging products,
lotions, milks and facial cleansers.

- Make-Up Products:

lipsticks

- Pre-/After- shaves

Technical Data

Contents	iRonate MW
Appearance	Powder/granular
Color	White to almost white
pH value (25 °C, 0.5% aq sol):	5.0-8.5
Loss on drying:	≤20.0%

Formulation instructions

Recommended Dosage	0.1 - 0.8%
--------------------	------------

Distributed by KIMIKA – 1729 NW 84th AVE – 33126 FLORIDA – USA Ph: +1-305-499-9572 Fax:+1-305-499-9577 – info@kimika.us
We have made reasonable efforts to ensure that the information and suggestions regarding the statement of ingredients and conditions for use of our products is technically and scientifically accurate and up to date. We and our suppliers and agents neither commit nor guarantee the relevance, accuracy, presentation or use, or suitability of our products to any specific use. Such information and suggestions shall not be deemed to grant any patent license or any other intellectual property right. We cannot guarantee that the use made of our products, information and suggestions will respect the intellectual property rights of other third parties. Customers shall use our products, information and suggestions at their own risk and we will therefore not accept any liability whatsoever for any such above-mentioned accounts.

BIOALKEMIA.COM
1729 NW 84TH AVE MIAMI, FL 33126 USA
TEL: 305-499-9572 / 786-469-0193

BIOALKEMIA 