



# HYLOGLO™ HA

COMPLEX OF FIVE HYALURONIC ACIDS

## INCI NAME

Water, Glycerin, Sodium Hyaluronate, Hydrolyzed Glycosaminoglycans, Hydrolyzed Hyaluronic Acid, Hyaluronic Acid, Tremella Fuciformis Polysaccharide, and Polyglutamic Acid

## USAGE LEVEL

2-5%

## DESCRIPTION

Hyaluronic Acid is a trendy ingredient that is being incorporated into a wide variety of cosmetic and personal care applications. Consumers are aware of this ingredient and will purchase a product due to containing hyaluronic acid. However, the different grades and sizes of hyaluronic acid can affect the penetration and produce varying results. To produce a well-rounded product with moisturization at the stratum corneum, epidermis, and dermis; a variety of molecular weights and grades of hyaluronic acids must be used.






HyloGlo™ HA contains five different molecular weights of hyaluronic acid to deliver moisturization at all skin levels. This complex contains a mixture of high, medium, and low molecular weights to provide benefits such as immediate surface-level moisturization, improved skin volume and density, and even helps with reducing the appearance of wrinkles. Tremella Fuciformis Polysaccharide functions as a natural, high molecular weight Hyaluronic Acid to help with surface level moisturization while the Hydrolyzed Glycosaminoglycans and Sodium Hyaluronate penetrate to the deeper layers of the skin. Polyglutamic Acid is also used to provide even more moisturization by keeping the skin plump, smooth, and hydrated. This high molecular weight polyglutamic acid provides surface level moisturization while the low molecular weight hyaluronic acids penetrate deeper to provide dermis level moisturization.

## BENEFITS

- Moisturizing
- Boosts Collagen and Elastin
- Reduces Appearance of Wrinkles
- Increase Skin Volume and Density
- Five Different Types of Hyaluronic Acid
- Varying Molecular Weights

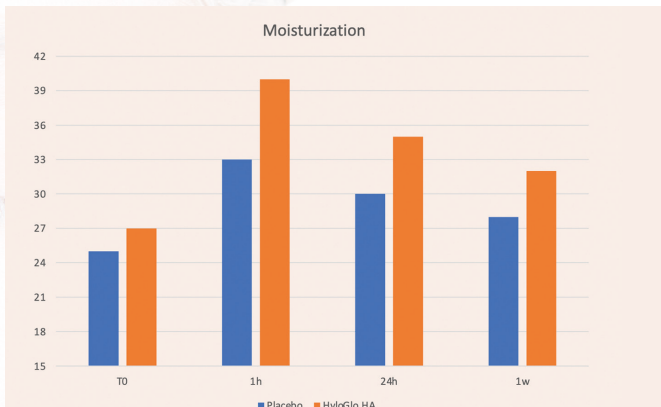
# CLINICAL TESTS

## IN VIVO TEST

-  20 women, 18 – 60 years old
-  T0, T1h, T24h, T1w, T0, T30', T60'
-  Twice a day
-  Applied on Forearm (Leave on)
-  Cream with 5% HyloGlo™ HA, compared to placebo

1. **Moisturization** (Corneometer)
2. **TEWL** (Tewameter)

Ingredients	Placebo	Cream with 5% HyloGlo™ HA
Water	✓	✓
Glycerin	✓	✓
Cetearyl Glucoside	✓	✓
Cetyl Alcohol	✓	✓
Sorbitan Olivat	✓	✓
Cetyl Palmitate	✓	✓
Sorbitan Palmitate	✓	✓
Sorbitan Oleate	✓	✓
Cetearyl Alcohol	✓	✓
Sodium Hyaluronate		✓
Hydrolyzed Glycosaminoglycans		✓
Hydrolyzed Hyaluronic Acid		✓
Hyaluronic Acid		✓
Tremella Fuciformis Polysaccharide		✓
Polyglutamic Acid		✓
Phenoxyethanol	✓	✓
Ethylhexylglycerin	✓	✓

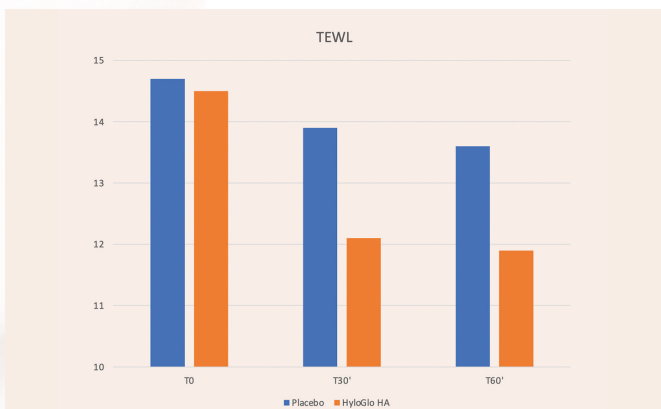


## MOISTURIZATION TEST

- Increase of 51.85% after 1 hour
- Increase of 29.62% after 24 hours
- Increase of 18.51% after 1 week

### Conclusion:

Significant increase in short and long term moisturization



## TEWL TEST

- Decrease of 16.55% after 30 minutes
- Decrease of 17.93% after 60 minutes

### Conclusion:

Significant decrease in TEWL