



COSMETIC  
SUPPLIES  
USA, INC.



## HYALURONIC ACID

### **Hyaluronic acid, also commonly called Sodium Hyaluronate**

This material is produced by fermentation of (*Streptococcus Equi*) with high purity and stability. Our HA has a wide pH stability range from 5 to 9.

#### **COSMETIC BENEFITS OF HYALURONIC ACID**

- Is an excellent and long lasting moisturizing agent
- Film forming characteristics
- Smoothing agent
- Able to induce local super skin hydration and thus supports penetration of various substances across stratum corneum

Hyaluronic Acid is a straight chain macromolecular mucopolysaccharide composed of repeat disaccharide units of glucuronic acid and N - Acetylglucosamine. Naturally, it is present in the joints, skin, umbilical cord, eye and the extracellular space of human tissue. It has an outstanding ability to retain moisture and has a high viscoelasticity and lubricity. Research has shown that it is critical to normal health function, not only by maintaining healthy, smooth skin, but also by lubrication of the joints, eye health and function, wound healing etc. It has natural anti-oxidant properties. Hyaluronic acid is able to retain more water than any other substance found to date which keeps the skin and other tissues hydrated. This in turn keeps cells from dying and maintains their ability to be able to absorb nutrients more effectively and eliminate toxins.

<b>ANALYSIS</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>
Appearance	Amorphous Powder	White Powder
Color	White	Conforms
Odor	Odorless	Conforms
Glucuronic Acid	> 42.0%	>45.0%
Molecular Weight	(0.8 - 2.0) $1 \times 10$ to power 6	$1.20 \times 10$ to power 6
Loss on Drying	< 10.00% Max	6.40%
pH	6.00 - 7.50	6.80
Total Plate Count	< 100 cfu/g	<10 cfu/g
Residue on Ignition	< 20 ug/g	<20 ug/g
Residue on Ignition	<20.0%	15.40%
Protein	<0.1%	<0.1%

The above data is provided for the convenience of the user and does not relieve the user of normal liability for inspection of material upon delivery or prior to actual use. Statements concerning the possible use of our product are not intended as a recommendation to use our product in the infringement of any patent.

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