

MOISTURIZING

The Ultimate for skin

BIO-SODIUM HYALURONATE 1% SOLUTION PF

INCI NAME : WATER / SODIUM HYALURONATE / PHENOXYETHANOL

GENERAL DESCRIPTION FOR RAW MATERIAL

Hyaluronic Acid (HA) is a naturally occurring, non sulfated glycosaminoglycan (GAG), existing in the connective, epithelial tissues, synovial joint fluid etc. It is one of the major matrix substances together with collagen and elastin strengthening the matrix.

HA occurs in all vertebrate tissues and body fluids in varying amounts. In the skin, HA constitutes the primary reservoir of HA in the body, more than 50% of the total. HA is present at very high concentrations in the narrow extracellular space between the stratified keratinocytes of epidermis and has a turnover time of less than 1 day. This dynamic metabolism suggests that HA is a space filler involved in the upwards migration and shape changes of the differentiating keratinocytes, that it provides extracellular space for the exchange of nutritional and regulatory metabolites for the upper spinous cells and it acts as a signaling ligand to enhance keratinocyte motility and survival.

TECHNICAL INFORMATION

Processing & Dosage

The recommended dosage of BIO-SODIUM HYALURONATE 1% SOLUTION PF is 1%~30%. BIO-SODIUM HYALURONATE 1% SOLUTION PF is a water-soluble active ingredient. It is recommended to incorporate into formula at the last phase of the formulation at about 40°C or lower.

Storage & Shelf life

BIO-SODIUM HYALURONATE 1% SOLUTION PF should be stored in a dark place at low temperature (~15°C) in tightly closed and lightproof packing. If stored in these conditions the shelf life is at least 24 months. Once the original packing is open, it is highly recommended to use at once.

Safety information

The toxicological profile of Bio-Sodium Hyaluronate was assessed;
-Bacterial reverse mutation : Negative
-Chromosome aberration test : Negative

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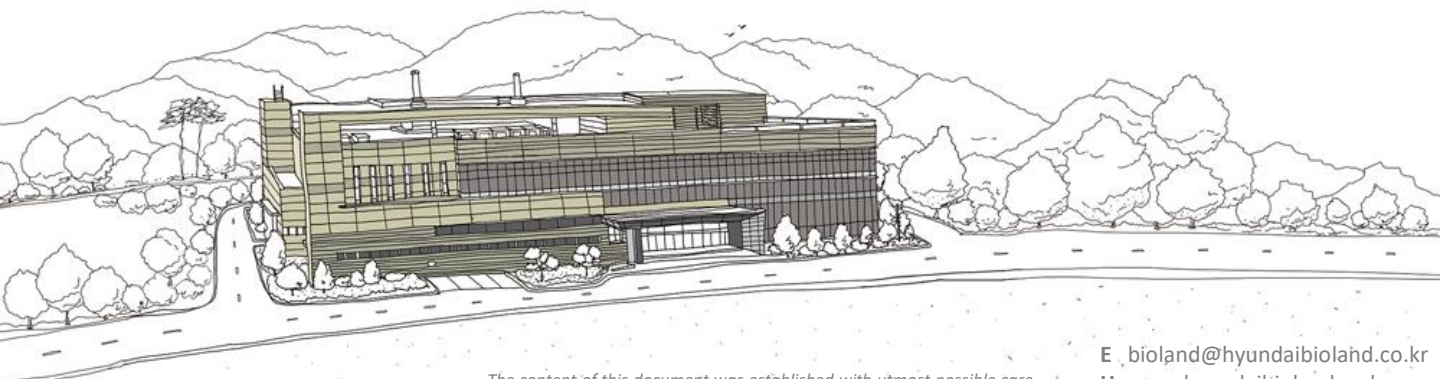
SPECIFICATION

Appearance	Clear solution
Identification	Absorption (3400, 1610, 1405, 1040)
Viscosity	18,000cps (Average)
pH	5.5 ~7.5
Determination (Sodium Hyaluronate)	0.9 ~ 1.1 %
Microbes	100 cfu/g
Specific fungus	N.D.
Clarity	<0.01

PRODUCT INFORMATION

TRADE NAME	BIO-SODIUM HYALURONATE 1% SOLUTION PF
INCI NAME	COMPOSITION (INCI Key Index)
WATER	A
SODIUM HYALURONATE	F
PHENOXYETHANOL	G
STANDARD PACKAGE	20KG

INCI Key Index
A : Greater than 50%
B : Greater than 25% but less than or equal to 50%
C : Greater than 10% but less than or equal to 25%
D : Greater than 5% but less than or equal to 10%
E : Greater than 1% but less than or equal to 5%
F : Greater than 0.1% but less than or equal to 1%
G : Less than or equal to 0.1%



The content of this document was established with utmost possible care.
However, we reserve the right to add the information, to correct or to delete it without prior notice.

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