

MOISTURIZING

The Ultimate for skin

BIO-SODIUM HYALURONATE POWDER

INCI NAME : SODIUM HYALURONATE

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.

SPECIFICATION

BIO-SODIUM HYALURONATE POWDER **HMW**

Appearance	White Powder
Appearance of 0.5% solution	Colorless, clear and viscous liquid
pH (0.5%)	5.0 ~ 8.0%
Glucuronic Acid Content	45.0 ~ 48.4%
Sodium Hyaluronate	93.0 ~ 100.0%
Protein Content	Not more than 0.1%
Molecular Weight (GPC)	1.8 ~ 2.5 Mda
Total Plate Count	Not more than 1×10^2 cfu/g

BIO-SODIUM HYALURONATE POWDER **MMW**

Appearance	White Powder
Appearance of 0.5% solution	Colorless, clear and viscous liquid
pH (0.5%)	5.0 ~ 8.0%
Glucuronic Acid Content	45.0 ~ 48.4%
Sodium Hyaluronate	93.0 ~ 100.0%
Protein Content	Not more than 0.1%
Molecular Weight (GPC)	1.3 ~ 1.8 Mda
Total Plate Count	Not more than 1×10^2 cfu/g

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SPECIFICATION

BIO-SODIUM HYALURONATE POWDER **LMW**

Appearance	White Powder
Appearance of 0.5% solution	Colorless, clear and viscous liquid
pH (0.5%)	5.0 ~ 8.0%
Glucuronic Acid Content	45.0 ~ 48.4%
Sodium Hyaluronate	93.0 ~ 100.0%
Protein Content	Not more than 0.1%
Molecular Weight (GPC)	0.5 ~ 1.3 Mda
Total Plate Count	Not more than 1 x 10 ² cfu/g

BIO-SODIUM HYALURONATE POWDER **VLMW**

Appearance	White Powder
Appearance of 0.5% solution	Colorless, clear and viscous liquid
pH (0.5%)	5.0 ~ 8.0%
Glucuronic Acid Content	45.0 ~ 48.4%
Sodium Hyaluronate	93.0 ~ 100.0%
Protein Content	Not more than 0.1%
Molecular Weight (GPC)	0.15 ~ 0.60 Mda
Total Plate Count	Not more than 1 x 10 ² cfu/g

TECHNICAL INFORMATION

Storage & Shelf life

BIO-SODIUM HYALURONATE POWDER should be stored in a dark place at 2-8°C temperature 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.

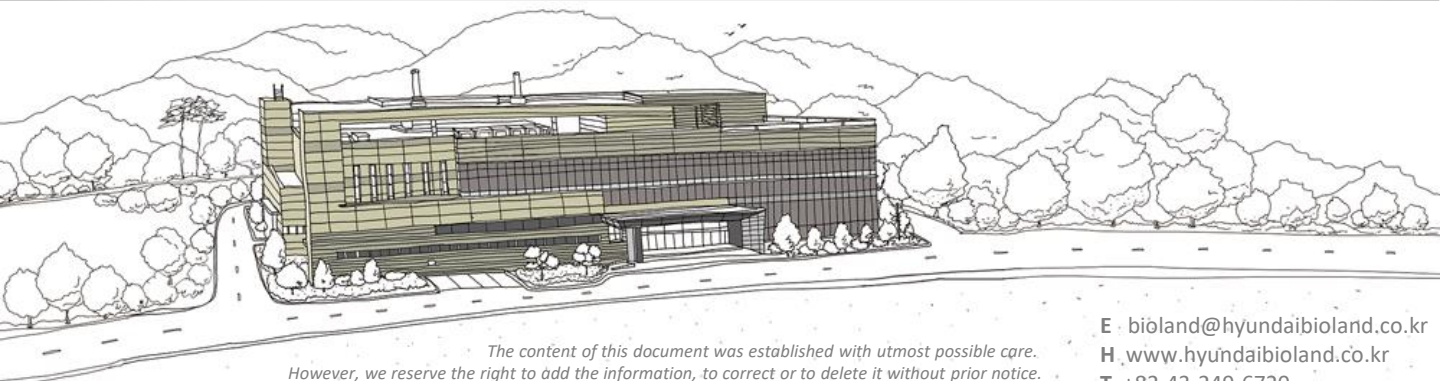
Safety information

The toxicological profile of Bio-Sodium Hyaluronate was assessed;

- Bacterial reverse mutation : Negative
- Chromosome aberration test : Negative

PRODUCT INFORMATION

TRADE NAME	BIO-SODIUM HYALURONATE POWDER
INCI NAME	SODIUM HYALURONATE
SODIUM HYALURONATE	100%
STANDARD PACKAGE	1KG



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However, we reserve the right to add the information, to correct or to delete it without prior notice.