



HYALURONSAN (POWDER) SERIES

Sodium Hyaluronate

Q.P. CORPORATION

Q.P. HYALURONSAN (powder) Series is Sodium Hyaluronate extracted and refined from chicken combs by our original manufacturing methods and meets the specifications of "Sodium Hyaluronate (1)" in JSQI (The Japanese Standards of Quasi Drug Ingredients) and has the INCI name of "Sodium Hyaluronate".

HYALURONSAN is a highly purified sodium salt of hyaluronic acid which has high water-holding and moisture-retaining properties.

These properties of Sodium Hyaluronate moisten the skin and hair to keep out the dryness and also its abilities of the excellent penetration and tissue affinities demonstrate good lubricating qualities.

Please use this widely as a cosmetic material.

WHAT IS SODIUM HYALURONATE ?

Hyaluronic acid is one of the acidic mucopolysaccharides naturally existing in large quantities in vitreous humor, serum, chicken comb, shark skin, and whale cartilage.

Hyaluronic acid, combined with protein and chondroitin sulfate, is found in the space between cells of connective tissue such as skin. It serves important functions for the maintenance of structure, moisture, lubricability and flexibility of the tissue and for protection against invasion of bacteria.

The excellent water-holding capacity of hyaluronic acid makes it capable of retaining moisture in the eyes, joints, and skin tissues. It is also expected that a number of products utilizing the advantageous properties of hyaluronic acid will increase in the future.

CHARACTERISTICS

HYALURONSAN (powder) series is a powder of highly purified sodium hyaluronate extracted from chicken combs. There are 4 types of products depending on the range of molecular weight as follows. All of these meet the specifications of "Sodium Hyaluronate (1)" in JSQI and have the INCI name is "Sodium Hyaluronate".

HYALURONSAN HA-Q	MW : 530,000 - 1,330,000
HYALURONSAN HA-QSS	MW : 2,000,000 - 3,500,000
HYALURONSAN HA-M5070	MW : 500,000 - 700,000
HYALURONSAN HA-L510	MW : 50,000 - 100,000

SPECIFICATIONS AND RESULTS (representative sample)

	SPECIFICATIONS	HYALURONSAN HA-Q	HYALURONSAN HA-QSS	HYALURONSAN HA-M5070	HYALURONSAN HA-L510
pH	5.0 - 7.5 (0.1g / 100)	6.4	6.4	6.3	6.2
HEAVY METALS	NMT 20 ppm	NMT 20 ppm	NMT 20 ppm	NMT 20 ppm	NMT 20 ppm
ARSENIC	NMT 2 ppm	NMT 2 ppm	NMT 2 ppm	NMT 2 ppm	NMT 2 ppm
PROTEIN	NMT 0.2 %	NMT 0.2 %	NMT 0.2 %	NMT 0.2 %	NMT 0.2 %
PRESENCE OF THE OTHER MUCOPOLY- SACCHARIDES	None detected	None detected	None detected	None detected	None detected
LOSS ON DRYING	NMT 10.0%	4.4 %	5.9 %	4.9 %	2.0 %
RESIDUE ON IGNITION	15.0 - 20.0 %	18.0 %	18.7 %	18.1 %	15.5 %
NITROGEN	2.8 - 4.0 %	3.3 %	3.3 %	3.3 %	3.1 %
GLUCURONIC ACID	43.0 - 51.0 %	47.9 %	48.0 %	46.7 %	45.3 %
INTRINSIC VISCOSITY	As analyzed	20.3 dL/g	41.4 dL/g	11.4 dL/g	2.3 dL/g
AEROBIC PLATE COUNTS	NMT 100/g	NMT 20/g	NMT 20/g	NMT 20/g	NMT 20/g
E.COLI	Negative	Negative	Negative	Negative	Negative
MOLD AND YEAST	NMT 100/g	NMT 50/g	NMT 50/g	NMT 50/g	NMT 50/g

STORAGE AND EXPIRATION PERIOD

Storage

HA-Q , HA-M5070 , HA-L510

... Store at ordinary temperature and keep it away from high temperature and direct sunlight.

HA-QSS ... Store between 1 -10 .

Expiration period

HA-Q , HA-M5070 , HA-L510

... 3 years from manufacturing date. (unopened, at ordinary temperature)

HA-QSS ... 1 year from manufacturing date. (unopened, between 1 -10)

PACKING

100 g × 1



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