



# HYALURONSAN

## HA-LQ (POWDER) SERIES

Sodium Hyaluronate

**Kewpie Corporation**

“HYALURONSAN HA-LQ (powder) Series” is a series of Sodium Hyaluronate which is made by fermentation method and is a highly refined hyaluronic acid which has excellent stability. It has high water-binding property and is made into sodium salt which is easy-to-formulate with various ingredients .

The product has the following varieties with different molecular size .

HYALURONSAN HA-LQ ..... MW : 0.85 ~ 1.6 M.

HYALURONSAN HA-LQH ..... MW : 1.2 ~ 2.2 M.

### WHAT IS HYALURONIC ACID ?

Hyaluronic acid is a kind of acid mucopolysaccharides abundantly existing in eyes' vitreous body , umbilical cord , synovial fluid , skin , pleural fluid , blood serum , chicken comb , shark's skin and whale's cartilage .

Hyaluronic acid exists in connective tissues like skin as a compound with protein. It fills up intercellular gap together with chondroitin sulfate to maintain tissue structure, to retain moisture , lubricability and flexibility of the tissue and to protect the tissue from infection by bacteria .

Its excellent property of moisture retention plays a very important role especially in such organs like eyes , joints and skin where keeping moisture is crucial . Due to such beneficial properties hyaluronic acid will have more applications in the future .

### EXCELLENT FEATURES OF HYALURONSAN HA-LQ (powder) Series

This is sodium hyaluronate in powder form which is made by fermentation using *Streptococcus zooepidemicus* and due to its high water-holding capacity it prevents skin and hair from drying and keeps them moist.

HYALURONSAN HA-LQ (powder) Series is recommended for making wide range of cosmetic products .

### U S E

Moisturizing ingredient for various cosmetics

Improving physical property of cosmetics (like viscosity improver)

## SPECIFICATIONS AND A TYPICAL ANALYSIS

	Specifications	Analysis	
		HA-LQ	HA-LQH
pH	6.0 ~ 7.0 (0.1 + 100)	6.6	6.4
Heavy Metals	NMT 20 ppm	NMT 20ppm	NMT 20ppm
Arsenic	NMT 2 ppm	NMT 2ppm	NMT 2ppm
Protein	NMT 0.1 %	NMT 0.1 %	NMT 0.1 %
Presence of the other mucopolysaccharides	None detected	Passed	Passed
Hemolytic streptococcus	Negative	Negative	Negative
Hemolysis	A red blood corpuscle is precipitated and the top of the solution is clear .	Passed	Passed
Loss on Drying	NMT 10.0 %	3.7%	4.1%
Residue on Ignition	15.0 ~ 20.0 %	18.5 %	18.6 %
Nitrogen	3.0 ~ 4.0 %	3.3 %	3.3 %
Glucuronic acid	40.0 ~ 50.0 %	46.8 %	46.9 %
Intrinsic Viscosity	HA-LQ : 15.0 ~ 25.0 dL/g HA-LQH : 19.5 ~ 32.0 dL/g	22.3 dL/g	25.6 dL/g
Aerobic plate counts	NMT 100/g	NMT20/g	NMT20/g
E. coli	Negative	Negative	Negative
Mold and Yeast	NMT 100/g	NMT 50/g	NMT 50/g

## COMPOSITION

Ingredient Name	INCI Name	Composition
Sodium Hyaluronate	Sodium Hyaluronate	100 %

\* This conforms to "Sodium Hyaluronate(2)" in The Japanese Standards of Quasi-drug Ingredients.

## STORAGE AND EXPIRY

Storage : Store at ordinary temperature and keep it away from direct sunlight and high heat, high humidity.

Expiry :

HA-LQ ... 2 years from the manufacturing date.(unopened, at ordinary temperature )

HA-LQH ... 1 year from the manufacturing date. (unopened, at ordinary temperature )

## PACKING

100 g (in aluminum pouch) × 1 ~ 10 = 1 carton

1 kg (in aluminum pouch) × 1 ~ 5 = 1 carton



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