



# HYALURONSAN HA-LQ (SOLUTION) SERIES

Sodium Hyaluronate

Kewpie Corporation

“HYALURONSAN HA-LQ(solution) Series” is a series of aqueous solution of sodium hyaluronate which is made by fermentation method. “HYALURONSAN HA-LQ (solution)” is a ready-to-serve solution in purified water . So it saves consumers dissolving work by themselves .

The product has three types, HYALURONSAN SOLUTION HA-LQ1 and HYALURONSAN SOLUTION HA-LQH1, HYALURONSAN SOLUTION HA-LQH1P.

## 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 (solution) Series

This is viscous aqueous solution containing 1% of sodium hyaluronate and due to its high water-holding capacity it prevents skin and hair from drying and keeps them moist. Kinematic viscosity of HA-LQ1 is 60~200mm<sup>2</sup>/s and that of HA-LQH1 and HA-LQH1P is not less than 130mm<sup>2</sup>/s .

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

## U S E

Moisturizing ingredient for various cosmetics.

## SPECIFICATIONS AND A TYPICAL ANALYSIS

	HA-LQ1		HA-LQH1, HA-LQH1P	
	Specifications	Analysis	Specifications	Analysis
pH	6.0 ~ 7.0	6.3	6.0 ~ 7.0	6.4
Kinematic Viscosity	60 - 200 mm <sup>2</sup> /s	129 mm <sup>2</sup> /s	NLT130 mm <sup>2</sup> /s	234 mm <sup>2</sup> /s
Heavy Metals	NMT 20 ppm	NMT 20ppm	NMT 20 ppm	NMT 20ppm
Arsenic	NMT 2 ppm	NMT 2ppm	NMT 2 ppm	NMT 2ppm
Nonvolatile Residue	1.0 ~ 1.3 %	1.1 %	1.0 ~ 1.3 %	1.3 %
Assay	1.0 ~ 1.5 % ( as Sodium Hyaluronate )	1.1 %	1.0 ~ 1.5 % ( as Sodium Hyaluronate )	1.3 %
Aerobic plate counts	NMT 100/g	NMT10/g	NMT 100/g	NMT10/g
E. coli	Negative	Negative	Negative	Negative
Mold and Yeast	NMT 100/g	NMT 10/g	NMT 100/g	NMT 10/g

\* Analysis values of HA-LQH1 and HA-LQH1P are very similar .

## COMPOSITION

### HYALURONSAN SOLUTION HA-LQ1, HA-LQH1

Ingredient Name	INCI Name	Composition
Sodium Hyaluronate	Sodium Hyaluronate	1.00 %
Methyl parahydroxybenzoate	Methylparaben	0.15 %
Purified Water	Water	98.85 %

### HYALURONSAN SOLUTION HA-LQH1P

Ingredient Name	INCI Name	Composition
Sodium Hyaluronate	Sodium Hyaluronate	1.0 %
2-Phenoxyethanol	Phenoxyethanol	0.8 %
Purified Water	Water	98.2 %

## STORAGE AND EXPIRY

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

Expiry :

HA-LQ1, HA-LQH1・・・6 months from the manufacturing date. (unopened, at ordinary temperature )

HA-LQH1P・・・1 year from the manufacturing date. (unopened, at ordinary temperature )

## PACKING

1 kg (in poly bottle/inner carton) × 10 = 1 carton

20kg (in cubitainer) × 1 = 1 carton



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