



# Hyabest<sup>®</sup> (S) LF5 - A

## Hyaluronic Acid

**Kewpie Corporation**

Hyabest<sup>®</sup> (S) LF5-A is hyaluronic acid for food use, produced by fermentation and refined to high purity. It has high stability and suitable for making various foods, and dietary supplements .

### WHAT IS HYALURONIC ACID ?

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

The excellent water-holding capacity of hyaluronic acid improves physical property of foods and helps skin retain moisture .

Number of new products are expected to be launched into the market toward the future , utilizing such advantageous property of hyaluronic acid .

Those will include dietary skin-care products .

### EXCELLENT FEATURES OF Hyabest<sup>®</sup>(S) LF5-A

This is high purity hyaluronic acid which is produced by fermentation method (non-animal source) and its excellent water holding capacity helps various foods improving their physical property .

This is also an ideal material of dietary supplements to supply hyaluronic acid of which natural synthesis in the body decreases by aging .

### U S E

Hyabest<sup>®</sup>(S) LF5-A is an ideal material for nutritional drinks or dietary supplements and for improving physical properties of various foods. It can be used for making tablet products or granules .

\* Average molecular weight is not more than 50,000 and its solution has low viscosity

## SPECIFICATIONS AND A TYPICAL ANALYSIS

	Specifications	Analysis
pH	2.5 ~ 3.5	3.2
Heavy Metals	NMT 20 ppm	NMT 20ppm
Arsenic	NMT 2 ppm	NMT 2ppm
Hemolytic Streptococcus	Negative	Negative
Hemolysis	A red blood corpuscle is precipitated and the top of the solution is clear . (Negative)	Passed
Solubility	Clear ( 1%,660nm : NLT95% )	Passed
Moisture	NMT 10.0 %	2.7 %
Crude Fat	NMT 0.2 %	NMT 0.1 %
Residue on Ignition	NMT 3.0 %	1.0 %
Assay (as Glucuronic Acid)	47.0 ~ 53.0 %	51.9 %
* Hyaluronic Acid	NLT 95 %	100 %
Kinematic Viscosity	1.2 ~ 3.5 mm <sup>2</sup> /s	1.4 mm <sup>2</sup> /s
Aerobic plate counts	NMT 300/g	NMT 20/g
Coliforms	Negative	Negative
Mold and Yeast	NMT 100/g	NMT 50/g

\* : Based on the Kewpie's internal analytical method .  
( As hyaluronic acid and/or salts of hyaluronic acid : dry basis)

## STORAGE AND EXPIRY

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

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

## PACKING

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

1 kg (in aluminum pouch) × 1 ~ 10 = 1 carton



**Kewpie Corporation**  
**Fine Chemical Division**

4-13,1-Chome,Shibuya,Shibuya-ku,Tokyo,Japan 150-0002  
Tel:81-3-3486-3338 Fax:81-3-3486-4640