Food Additive

EGG WHITE LYSOZYME

Kewpie Corporation

"EGG WHITE LYSOZYME" is a food additive produced from fresh egg white by our original separation and refining technology.

Egg White Lysozyme improves shelf life of marine products, meat products, chilled foods, confectionary and other foods, also it controls proliferation of bacteria during fermentation or enzyme processing of foods.

WHAT IS LYSOZYME ?

Lysozyme is an enzyme (a kind of protein) which hydrolyzes mucopolysaccharides of bacteria's cell wall and effects bacteriolysis, particularly on gram-positive bacteria like *Bacillus subtilis*. This is a biophylaxis substance which commonly exists in the natural world like eggs, animal tissue and humor (tear, sputum, nasal mucus, blood etc) and plant tissues.

EXCELLENT FEATURES OF EGG WHITE LYSOZYME

- Egg White Lysozyme is white powder with sweet taste and dissolves in water very well, though hardly dissolves in organic solvents.
- Egg White Lysozyme will show no deterioration in its activity after 3 years storage if it is stored under room temperature in tightly sealed container

USAGE

Suggested usage of Egg White Lysozyme is to add 50~200 ppm to the final product. It is convenient to use this as powder-mix or water solution .

SPECIFICATIONS AND A TYPICAL ANALYSIS

	Specifications	Analysis
Description	Whte powder with no odor.	Passed
Solubility	NLT 80 %（1%,660nm）	Passed
pH	NLT 5.0	6.1
Chloride（as Cl）	NMT 4.5 %	1.7 %
Lead（as Pb）	NMT 5.0μg/g	NMT 5.0μg/g
Arsenic（as AS_2O_3）	NMT 4.0μg/g	NMT 4.0μg/g
Loss on Drying	NMT 6.0 %	5.2 %
Assay	NLT 0.9mg(potency)/mg	1.0mg(potency)/mg
Aerobic plate counts	NMT 300/g	NMT 10/g
Mold and Yeast	NMT 100/g	NMT 10/g

STORAGE AND EXPIRY

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

Expiry： 2 years from manufacturing date. (unopened, at ordinary temperature)

PACKING

5kg (in poly bag /inner carton) × 2 = 1 carton

1kg (in poly bag) × 1 ～5 = 1 carton

1kg (in poly bag) × 3 ～5 (inner carton) × 2 = 1 carton

QPFC

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