



EGG WHITE PEPTIDES EP-1

Hydrolyzed Egg White

Kewpie Corporation

“EGG WHITE PEPTIDES EP-1” is produced by hydrolyzing fresh chicken egg white with enzyme and has excellent heat resistance (do not coagulate by heat) while maintaining original amino acids balance of egg white .

This is suitable raw material for wide range of cosmetics as well as food products .

EXCELLENT FEATURES OF WHITE PEPTIDES EP-1

It is a substance obtained by hydrolyzing chicken egg white with enzyme .
Its average molecular weight is about 1100 and its aqueous solution appears milky .
Since it has excellent heat stability it is a good protein source of various foods which need high heat pasteurization .

TYPICAL COMPOSITION OF AMINO ACIDS

The amino acid score of EGG WHITE PEPTIDES EP-1 is 100, that is the maximum, therefore, nutritiously this is well balanced.

Essential amino acids	FAO/WHO/UNU (1985)	E P - 1	
		amino acid composition	score
Histidine	120 mg/g N	162 mg/g N	135
Isoleucine	180	353	196
Leucine	410	545	133
Lysine	360	469	130
Methionine Cystine	160	457	286
Phenylalanine Tyrosine	390	671	172
Threonine	210	303	144
Tryptophan	70	85	121
Valine	220	488	222
Amino acid score		1 0 0	

The contents of nitrogens are calculated as N = 12.3 %

SPECIFICATIONS AND A TYPICAL ANALYSIS

< for cosmetic >

	Specifications	Analysis
pH	6.5 ~ 8.5	7.0
Heavy Metals	NMT 10 ppm	NMT 10 ppm
Arsenic	NMT 2 ppm	NMT 2 ppm
Loss On Drying	NMT 6.0 %	4.6 %
Residue On Ignition	NMT 10.0 %	4.6 %
Assay (as Nitrogen)	9.0 ~ 15.0%	13.4 %
Aerobic plate counts	NMT 5,000/g	220/g
Coliforms	Negative/0.1g	Negative/0.1g
Mold and Yeast	NMT 300/g	NMT 10/g

<for food >

	Specifications	Analysis
pH	6.5 - 8.5	7.0
Moisture	NMT 8 %	5 %
Crude Protein	NLT 70 %	84 %
Crude Fat	NMT 0.3 %	NMT 0.1%
Ash	NMT 10 %	5 %
Heavy Metals	NMT 10 ppm	NMT 10 ppm
Arsenic	NMT 1 ppm	NMT 1 ppm
Aerobic plate counts	NMT 5,000/g	220/g
Coliforms	Negative/0.1g	Negative/0.1g
Mold And Yeast	NMT 300/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

5 kg (in poly bag) × 2 = 1 carton



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