

Egg Yolk Lecithin PL-30S

Egg Yolk Oil

Kewpie Corporation

“Egg Yolk Lecithin PL-30S” is a high quality egg yolk oil produced from egg yolk by our original extraction technology and contains high level of phospholipids.

EXCELLENT FEATURES OF Egg Yolk Lecithin PL-30S

Egg Yolk Lecithin PL-30S is an orange-yellow colored oily substance containing more than 30% of phospholipids. It has high stability against heat and storage period. It can be used for wide range of food items to enhance rich egg flavor and nutrition, including nutritional supplements in soft-capsules.

It can also be used for cosmetics as emulsifier or emollient.

A TYPICAL COMPOSITION OF LIPIDS (by TLC/FID method)

Phosphatidylcholine	29.6 %
Phosphatidylethanolamine	4.7 %
Triglyceride	62.6 %
Cholesterol	3.0 %

A TYPICAL COMPOSITION OF FATTY ACIDS

C16-0	C16-1	C18-0	C18-1	C18-2	C20-4	C22-6	Others (not identified)
25.6 %	2.7 %	9.6 %	42.1 %	12.7 %	1.9 %	0.5 %	5.0 %

A TYPICAL COMPOSITION OF NUTRIMENTS (per 100 g)

Calories	913 kcal
Protein	0 g
Fat	97 g
Carbohydrate	0 g
Sodium	117 mg

U S E

<For foods>

Apply 0.05~2.0% of Egg Yolk Lecithin PL-30S to foods which require heat treatment or pasteurization to have rich egg flavor.

Examples : cookies, biscuits, retort pouch foods (soup etc), margarine, shortening, custard, ice-cream and others.

<For cosmetics>

Phospholipids of Egg Yolk Lecithin PL-30S exercises excellent emulsifying and emollient effects which is good for various cosmetic products.

Examples : hair-care products, skin creams, milky lotions, lip-sticks and lip creams, toiletries and others.

SPECIFICATIONS AND A TYPICAL ANALYSIS

<for foods >

	Specifications	Analysis
Description	Light orange-yellow viscous liquid, having a slight, characteristic odor.	Passed
Acid Value	NMT 10	8
Iodine Value	65~85	72
Peroxide Value	NMT 5.0meq/kg	0 meq/kg
Water	NMT 1.0%	0.5%
Heavy Metals	NMT 10µg/g	NMT 10µg/g
Arsenic	NMT 1.5µg/g	NMT 1.5µg/g
Phospholipids	NLT 30.0%	34.6%
Loss on Drying	NMT 5.0%	1.5%
Aerobic plate counts	NMT 300/g	NMT 10/g

< for cosmetics >

	Specifications	Analysis
Description	Pale yellow to brown viscous liquid, having a slight, characteristic odor.	Passed
Identification (1)	Dissolve 2g of a sample in 3mL of petroleum ether, and add 30mL of acetone: a white to pale yellow insoluble matters is produced.	Positive
(2)	Take 0.2g of a sample in a decomposition flask, add 3mL of sulfuric acid and 3mL of nitric acid, and heat it gently. Further add several 1 to 2mL portions of nitric acid, and heat until the solution becomes colorless or pale yellow. After cooling, add 10mL of water and 5mL of hexaammonium heptamolybdate TS: a yellow precipitate is produced.	Positive
Acid Value	NMT 10.0	7.9
Saponification Value	179 ~ 210	194
Iodine Value	65 ~ 85	73
Unsaponifiable Matter	NMT 6%	3%
Loss on Drying	NMT 5.0%	3.0%
Peroxide Value	NMT 5.0meq/kg	0 meq/kg
Protein	no blue-purple to red-purple color develops.	Passed
Heavy Metals	NMT 10ppm	NMT10ppm
Arsenic	NMT 2ppm	NMT 2 ppm

COMPOSITION

Ingredient Name	INCI Name	Composition
Egg Yolk Oil	Egg Oil	100 %

* This conforms to "Egg Yolk Oil" in The Japanese Standards of Quasi-drug Ingredients.

STORAGE AND EXPIRY

Storage : Store below 10°C

During the storage oil may be separated but does not affect the quality of PL-30S adversely, so stir it well before use.

Expiry : 12 months from the manufacturing date. (unopened, below 10°C)

※1 months =30days

PACKING

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

15kg (in poly bag) × 1 = 1 can

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