



# EGG YOLK LECITHIN PL-100P

## Hydrogenated Egg Yolk Lecithin

**Kewpie Corporation**

“ EGG YOLK LECITHIN PL-100P ” is a hydrogenated egg yolk lecithin produced from fresh egg yolk by our original extraction technology.

### EXCELLENT FEATURES OF EGG YOLK LECITHIN PL-100P

EGG YOLK LECITHIN PL-100P has high emulsifying property which comes from its phospholipids composition . It has high stability against oxygen and light in addition to high heat .

It can be used for wide range of cosmetics as an emulsifier , including skin lotion and facial cream .

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

Phosphatidylcholine	83.2 %
Phosphatidylethanolamine	14.2 %
Lysophosphatidylcholine	0.7 %
Triglyceride	< 0.1 %
Cholesterol	1.8 %

### A TYPICAL COMPOSITION OF FATTY ACIDS

C16-0	C18-0	C20-0	C22-0	others(not identified)
28.8 %	56.9 %	8.2 %	5.0 %	1.2 %

### SOLUBILITY IN DIFFERENT SOLVENTS

solvent \ concentration / temperature	1 %					5 %				
	30	40	50	60	80	30	40	50	60	80
Glycerin						x	x			
Propyleneglycol						x	x			
1,3-Butyleneglycol						x	x	x		
10% Ethanol aq.	x	x				x	x			
Liquid paraffin										
Pure water	x	x				x	x			

:Completely dissolved (transparent)

:Almost dissolved (with a little insoluble residue)

:Dispersed    x :Insoluble

### U S E

Emulsifier for skin lotions , facial creams and other cosmetics .

## SPECIFICATIONS AND A TYPICAL ANALYSIS

	Specifications	Analysis
Acid Value	NMT 25	14
Iodine Value	NMT 5	1
Peroxide Value	NMT 5 meq/kg	0meq/kg
Solubility	Dissolve 1g of the sample in 10mL of chloroform : the solution is transparent.	Passed
Heavy Metals	NMT 10 ppm	NMT 10 ppm
Arsenic	NMT 2 ppm	NMT 2 ppm
Nickel	Negative	Negative
Loss on Drying	NMT 5.0 %	1.0 %
Phospholipids	NLT 90.0 %	93.9 %
Aerobic plate counts	NMT 1,000 /g	NMT 10/g
Mold and Yeast	NMT 300 /g	NMT 10/g

## COMPOSITION

Ingredient Name	INCI Name	Composition
Hydrogenated egg yolk lecithin	Hydrogenated Lecithin	100 %

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

## STORAGE AND EXPIRY

Storage : Store below 10°C

Expiry : 3 years from the manufacturing date. (unopened, below 10 °C)

## PACKING

1kg (in aluminum pouch) × 1 ~ 5 = 1 carton



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