

PHYTOCREAM[®] 2000

Liquid crystal network



FOCUS INFO

INCI NAME

Potassium Palmitoyl Hydrolyzed Wheat Protein,
Glyceryl Stearate, Cetearyl Alcohol

SPECIFICATIONS

Aspect:	Waxy beads / flakes
Color:	Ivory
Odour:	Characteristic
pH (10% emulsion):	5.5 – 7.0
Usage:	4% - 10%
HLB:	11±1

COSMETIC APPLICATIONS

- Night creams
- Rich emulsions
- Masks
- Balms



VEGETABLE ORIGIN



SAFE PROFILE

O/ W EMULSIFIER

Non ionic/anionic O/W emulsifier: its particular structure forms a liquid crystal network that allows to easily formulate stable systems. As they mimic the natural lipid organization of the cellular membrane, the liquid crystals melt into the stratum corneum to reinforce the skin barrier. Thanks to its properties, it is able to contain **high percentages of oil phase** (up to 40%).

Its lipoproteic nature performs a high compatibility on human skin and is very familiar to epidermal structures, providing high sensorial properties to the emulsion.

PROPERTIES

- Extremely versatile (wide viscosity range).
- Useful for formulations rich in vegetable oils (from 5% to 40% oil phase).
- Phytocream's lamellar structure provides an outstanding texture: the emulsion appears firm and full-bodied, while the liquid crystals liquefy on the skin when the cream is spread.

BODY ELISIR LSIN8657

INGREDIENTS	PHASE	%	FUNCTION
Aqua	A	To 100	Solvent
Disodium EDTA		0.10	Chelant
Glycerin		2.00	Humectant
Caffeine		1.00	Active
Lecithin, Escin, Beta-sitosterol		0.10	Active
Xanthan gum		0.30	Rheological
PHYTOCREAM® 2000 (Potassium Palmitoyl Hydrolyzed Wheat Protein, Glyceryl Stearate, Cetearyl Alcohol)	B	8.00	Emulsifier
Squalane		9.00	Emollient
Octyldodecanol		10.00	Emollient
Prunus amygdalus dulcis oil		0.50	Emollient
Tocopheryl Acetate		0.10	Anti-oxidant
Lecithin, Tocopherol, Ascorbyl palmitate, Citric acid		0.05	Anti-oxidant
RED ALGA GEL EC (Ahnfeltiopsis Concinna Extract)	C	2.00	Active
MC2 (Glycerin, Alcohol Denat., Tetrahydropiperine, Panax Ginseng Root Extract, Aqua, Euterpe Oleracea Fruit Extract)	D	2.00	Active
ACTICOLINA LV (Water (and) Glycerin (and) Glycerophosphocholine (and) Lysine HCl (and) Valine)	E	2.00	Active
X-SOLVE® (Ethyl Ximenynate, Lecithin, Caprylic/Capric triglyceride, Glycerin)	F	1.50	Active
Menthol	G	1.00	Functional
MINTIOL (Parfum)	H	2.00	Micr. Inhibitor
Citric Acid	I	qb	pH adjuster

CHARACTERISTICS

Aspect:	Emulsion
Colour:	White
Odour:	Characteristic
PH:	5.5 – 6.0
Brookfield viscosity SP 4, RPM 10:	12.000- 30.000 mPa·s

METHOD

Weight phase A and heat at 75°C. Heat phase B at 75°C, then add B to A under fast stirring. Cool down below 40°C and add the remaining phases. Adjust pH with I.

AGE RESET NIGHT CREAM LSIN6882B

INGREDIENTS	PHASE	%	FUNCTION
Aqua	A	To 100	Solvent
Disodium EDTA		0.10	Chelant
Sodium Benzoate		0.40	Preservative
Glycerine		3.00	Humectant
Hydroxyacetophenone		0.60	Multifunctional
DOLCÉVIA® (Stevioside)		0.40	Active
Amorphophallus Konjac Root Powder	A'	0.40	Rheological
PHYTOCREAM® 2000 (Potassium Palmitoyl Hydrolyzed Wheat Protein, Glyceryl Stearate, Cetearyl Alcohol)	B	10.00	Emulsifier
Caprylic/Capric Triglyceride		6.00	Emollient
Dicaprylyl Ether		7.00	Emollient
Prunus Amygdalus Dulcis oil		3.00	Emollient
Coco-Caprylate (and) Undecane (and) Tridecane		2.00	Emollient
Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer		1.00	Emollient
Lecithin, Tocopherol, Ascorbyl palmitate, Citric acid		0.05	Anti-oxidant
Tocopheryl acetate		0.10	Anti-oxidant
TRI-SOLVE® (Trehalose, Ceramide NS, Cholesterol, Hydrogenated Lecithin)	C	2.00	Active
BIPURE (Azelaoyl Bis-Dipetide-10, Citrate Buffer, Glycerin)	D	4.00	Active
Parfum	E	0.20	Parfum

CHARACTERISTICS

Aspect:	Semi-consistent emulsion
Colour:	Ivory
Odour:	Characteristics
pH:	5.5 – 6.0
Brookfield viscosity SP 5, RPM 50:	4.000 – 11.000 mPa·s

METHOD

Heat phase A at 75°C and disperse A' under stirring. Heat phase B at 70°C. Add B to A under stirring for about 5 min. Cool down to 40°C, then add phase C and stir until it forms a homogenous system. Keel cooling down and add the remaining phases. If necessary adjust pH.