

NANOCREAM®

Fine particle-size emulsifier



FOCUS INFO

INCI NAME

Potassium Lauroyl Wheat Amino acids, Palm Glycerides, Capryloyl Glycine

INCI NAME Nanocream EC (Cosmos Version):

Potassium Lauroyl Wheat Amino Acids, Palm Glycerides, Disodium Cocoyl Glutamate



SPECIFICATIONS

Aspect:	Opalescent, consistent gel
Colour:	from pale yellow to yellow
Odour:	characteristic
ph:	7.00 – 8.00
Dry residue (at 105°):	58.00-62.00%
Usage:	2 - 10%
HLB:	7±1

COSMETIC APPLICATIONS

- Sprays
- Hyperfluid emulsions
- Wet wipes
- From serum to emulgels



VEGETABLE ORIGIN



SAFE PROFILE

O/W EMULSIFIER

A combination of vegetable-based substances, lipoaminoacids and palm glycerides, for nanoemulsions.

Nanocream creates **translucid micellar emulsions** with particularly fine particles dimensions, from **100 to 300 nm**.

- It forms stable systems with a low interfacial tension.
- It doesn't lead to flocculation, sedimentation or coalescence.
- It is an excellent carrier for cosmetic active ingredients (Patent MI2005A000218).

PROPERTIES

- Ideal for PIT emulsions
- Tyndall effect
- Its particular structure increases the absorbency without leaving a white effect.
- Not greasy, not sticky and very light.
- It gives a silky silicon-like skin feeling (both during and after application).
- Dry touch replacing the presence of alcohol in the formula.

BODY ELISIR
LSIN8657

INGREDIENTS	PHASE	%	FUNCTION
NANOCREAM® (Potassium Lauroyl Wheat Amino Acids (and) Palm Glycerides (and) Capryloyl Glycine)	A	10.00	Emulsifier
Dicaprylyl Ether		5.00	Emollient
Lecithin, Tocopherol, Ascorbyl palmitate, Citric acid		0.05	Anti-oxidant
Aqua	B	30.00	Solvent
Aqua	C	To 100	Solvent
Panthenol Gliceryn		0.50	Humectant
Trisodium Ethylendiamine Disuccinate		0.20	Chelant
MINTIOL (Parfum)	D	2.00	Micr. Inhibitor
TREALIX® (Trehalose,Hydrolyzed Vegetable Protein)	E	1.00	Active

CHARACTERISTICS

Aspect: Opalescent solution
 Colour: Cream white
 Odour: Mint
 PH: 7.0 - 7.5
 Brookfield viscosity SP 4, RPM 50: mPas

METHOD

Weight phase A and heat at 75°C. Then weight and heat at 75°C phase B; add B to A under stirring and form the nanoemulsion (Tyndall effect).
 Weight phase C and add it to A+B under slow stirring. Then add D-E.

IMMEDIATE LIFTING
LSIN8482b

INGREDIENTS	PHASE	%	FUNCTION
Aqua	A	To 100	Solvent
Trisodium Ethylendiamine Disuccinate		0.20	Chelant
Hydroxyacetophenone		0.50	Preservative
Carbomer		0.80	Rheological
NANOCREAM (Potassium Lauroyl Wheat Amino Acids (and) Palm Glycerides (and) Capryloyl Glycine)	B	5.00	Emulsifier
Coco-Caprylate/Caprata		5.00	Emollient
Dicaprylyl Ether		5.00	Emollient
Tocopheryl Acetate		0.20	Anti-oxidant
Glyceryl Caprylate	C	0.50	Multifunctional
Arginine	D	1.20	pH adjuster
Aqua		7.00	Solvent
PEA.PROTEIN (Hydrolyzed Pea Protein)	E	0.50	Active
Aqua		5.00	Solvent
Parfum	F	0.40	Parfum
C.I.14700 0.1% solution		qb	Colorant

CHARACTERISTICS

Aspect: Semi consistent emulsion
 Colour: Pink
 Odour: Characteristic
 pH: 6.5 – 7.5
 Brookfield viscosity SP 4, RPM 10: 8.000 – 10.000 mPa-s

METHOD

Weight phase A and heat at 65°C, then repeat with B.
 Add B to A under stirring until it forms a homogenous system. Cool down to 30°C and add the remaining phases, stirring after each one.