



nano body lift

Firming Action

Active Ingredients:

Essential Oils of Peppermint and Palmarosa, Green Tea Oil, Coconut Extract and Soy Protein.

Nano Body Lift is a blend of active ingredients encapsulated in biopolymer particles with particle diameter larger than 200 nm. The blend encapsulation through the technology developed by Nanovetores allows the stabilization of sensitive components, therefore, complex of being formulated in their free form. Due to its natural features and non-existent chemical aggression, Nano Body Lift can be used daily providing, in continuous applications, a Lifting effect with firming and toning action.



Characteristics

Aspect: White to cream milky liquid.

Usage Concentration: 0,5 to 10,0

pH stability: 3,0 a 7,0

Solubility: Water Dispersible

Particle: Biopolymer

Release Trigger: Enzyme



Benefits

- Firming, refreshing and moisturizing action
- Antioxidant
- Lifting effect
- Toning action



Usage

Body products with firming action, creams, gels and sprays. Compatible with nonionic gels (as long as transparency is not necessary), nonionic gel-cream and nonionic and cationic emulsions.

Description

Nano Body Lift is a blend of nanoencapsulated active ingredients that promotes powerful firming action. The blend consists of Essential Oils of Peppermint and Palmarosa, Green Tea Oil, Coconut Extract and Soy Protein.

Menthol is the main component of peppermint essential oil, and to it are assigned antimicrobial, antioxidant, anti-inflammatory, antiseptic and repellent properties⁽¹⁾. It has a refreshing and capillary vasoconstriction action, relieving itching and skin irritations.

Palmarosa has as its main constituent geraniol, a substance widely used in perfumery for its aromatic properties. In addition to these properties, geraniol, which is present in the palmarosa essential oil, is responsible for insecticide, antioxidant, antimicrobial and anti-inflammatory actions, and can act on cell regeneration and toning as well as lightening skin spots⁽²⁾⁽³⁾.

Camellia sinensis is rich in polyphenols (bioflavonoids) and catechins, especially epigallocatechin-3-O-gallate. The latter is the biggest responsible for this plant's properties. Known as a powerful antioxidant, Camellia sinensis helps to neutralize the actions of free radicals that act on aging skin, caused mainly by UV radiation⁽³⁾, stimulates the keratinocytes that act in the process of renewal and normalization of skin regeneration speed⁽³⁾.

Coconut extract is rich in vitamin E and gallic acid. It has antiseptic, insecticide and antioxidant action, and prevents aging of the skin, promoting hydration and smoothness⁽⁴⁾.

Soy protein has been used by the cosmetic industry for displaying great emulsifier and antioxidant properties. Isoflavones, their main component, act by inhibiting the action of enzymes which complicate the production of the fibers that support and promote skin elasticity⁽⁴⁾⁽⁵⁾.

Nano Body Lift provides firming, refreshing, hydrating and antioxidant action, and promotes lifting effect with toning action.

Regulatory Information

INCI NAME	CAS NUMBER
AQUA	7732-18-5
COCOS NUCIFERA FRUIT EXTRACT	8001-31-8
CAMELLIA SINENSIS LEAF OIL	68916-73-4
OLEIC ACID	112-80-3
STEARIC ACID	57-11-4
POLYSORBATE 80	9005-65-6
MENTHA PIPERITA OIL	8006-90-4
CYMBOPOGON MARTINI OIL	84649-81-0
HIDROLYZED SOY PROTEIN	68607-88-5
PPG-15 STEARYL ETHER	25231-21-4
STEARETH-2	9005-00-9
STEARETH-21	9005-00-9
PHENOXYETHANOL	122-99-6
CAPRYLYL GLYCOL	117-86-8
HYDROXYPROPYL GUAR	68442-94-4
BHT	128-37-0

Physical-Chemical Information

PHYSICAL STATE	LIQUID
FORM	MILKY
COLOR	WHITE TO CREAM
ODOR	CHARACTERISTIC
pH	3,5 TO 6,5
SOLUBILITY	WATER DISPERSIBLE
RELATIVE DENSITY	0,8 TO 1,1 g/ML
CHEMICAL IDENTITY	INORGANIC
CHARACTERIZATION	BLEND

As it contains natural active ingredients, the product may change in color and odor.

**As it is a suspension of nanoparticles, agitate before using.



STORAGE:
MAINTAIN IN TEMPERATURE BETWEEN 20°C - 25°C



COMPATIBILITY:
NONIONIC GELS (AS LONG AS TRANSPARENCY IS NOT NECESSARY), NONIONIC GEL-CREAM AND NONIONIC EMULSIONS IN GENERAL.



INCOMPATIBILITY:
ANIONIC VEHICLES

Approved by International Regulations:



China - IECIC



Europa - EC Cosing



EUA - CIR



Australia - AICS Inventor



Brasil - ANVISA



nanovetores
INOVANDO NATURALMENTE

Effectiveness Test

Nano Body Lift has been clinically tested for its safety and efficacy in an accredited laboratory.

Evaluated product: Crema con Nano Body Lift 10%

Evaluation period: 7 days in vivo evaluation in normal use of the product.

Results: 86% of the volunteers showed an increase in skin firmness by 6%*

57% of the volunteers showed an increase in skin tensor effect by 2% *

*Market products have similar results after 30 days of use.

Formula Suggestion

Lotion with Nano Body Lift 10%

PHASE I %

Glycerin.....2,00
Water qsp..... 100,00

Technique: Solubilize and reserve

PHASE II %

Hidroxieltil Celulose.....0,3

Technique: Disperse in stage 1 and heat under stirring up to 80°C.

PHASE III %

BHT.....0,05
Olivem 1000.....3,00
Oliwax LC..... 1,00
Glyceryl Monostearate4,00
TTrilycerides of Caprylic and Capric Acid.....6,00
Silicone DC350(Dimethicone). 1,00

Technique: Heat to 80°C

PHASE IV%

Volatile Silicone DC 245 (Cyclomethicone).....4,00

Technique: Solubilize and reserve

PHASE V %

Preservative.....qs
Fragrance.....0,50
Nano Body Lift..... 10,00

Technique: Reserve to add each item separately under 40°C.

1- Pour 3 on 1+ 2 while stirring for 10 minutes at 80 °C

2- Start cooling

3- At 70 °C add phase 4 and stir vigorously

4- Below 40 °C add phase 5

5- Adjust pH = 4.0 to 6.5

References

1 - SINGH, R. et al. Antibacterial and antioxidant activities of Mentha piperita L. Arabian Journal of Chemistry, 2011.

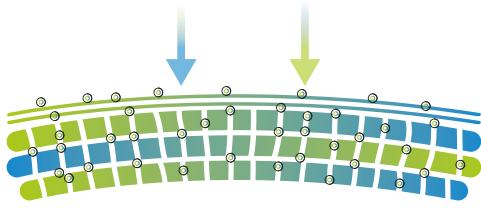
2 - ANSARI, M.A. et al. Larvicidal and mosquito repellent action of peppermint (Mentha piperita) oil. Bioresource Technology, v. 71, p. 267-271, 2000.

3 - CHEN, W.; VILJOEN, A.M. Geraniol - A review of a commercially important fragrance material. South African Journal of Botany, 76: 643-651, 2010.

4 - LAWRENCE, K. et al. Antioxidant activity of Palmarosa essential oil (Cymbopogon martinii) grown in north Indian plains. Asian Pacific Journal of Tropical Biomedicine, 2(2): S888-S891, 2012.

5 - DAL BELO, S.E. et al. Skin penetration of epigallocatechin-3-gallate and quercetin from green tea and Ginkgo biloba extracts vehiculated in cosmetic formulations. Skin Pharmacology and Physiology, v. 22, n. 6, p. 299-304, 2009.

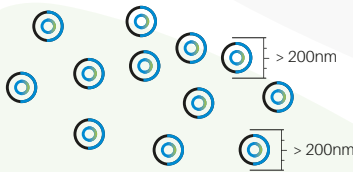
Nanovetores Encapsulation Technology



Multifunctional Lipid Particles that promote hydration and high permeation.



Active Ingredient Protection against oxidation resulted from interaction with external environment and other components of the cosmetic formulation.



Monodispersity, that ensures control of the particle size, providing adequate permeation to its proposed action.



Secure particles larger than 200nm, biocompatible and biodegradable.



Enzymatic Specific Release Trigger, in which the enzymes present in our skin promote the degradation of the capsule, releasing the active ingredient.

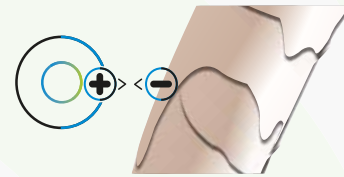


Active ingredient deposition when applied freely



Greater permeation of the active ingredient when encapsulated

Greater Permeation on the contact surface due to the small size of the capsule.



Surface Charge Control of the particle, promoting greater affinity with the contact surface.



Water Base. Active ingredients are manufactured without the use of organic solvents, ensuring safety for users and the environment.

Use Encapsulated Active Ingredients and Ensure:

Stability Improvement

Increased compability in the formulation

Occlusion of odors

Increased skin permeation

Reduced dose

Use of sensitive active ingredients (without refrigeration)

Increased Solubility

Prolonged release

Increased effectiveness