



nano 3C

Body Measurement Reducer

Active ingredients: Safflower, Coconut and Clove Oils.

Nano 3C is a blend of oils encapsulated in lipid particles with particle diameter larger than 200nm. The encapsulation through the technology developed by Nanovetores allows the stabilization of sensitive components, therefore, complex of being formulated in its free form, as well as ensures a greater permeation of the active ingredients, granting superior benefits to traditional ones. Nano 3C acts in the reduction of body measurements, also combating cellulite and helping in localized fat burning. Due to its natural features and non-existent chemical aggression, Nano 3C can be applied in formulations for daily use, promoting the gradual reduction of body measurements.



Features

Aspecto: Milky liquid from white to cream

Usage Concentration: 1 to 10.0%

pH stability: 2.0 to 7.0

Dispersibility: Dispersion of actives encapsulated in water.

Particle: Lipid

Release Trigger: Enzyme



Benefits

- Body measurement reduction
- Draining action
- Helps in localized fat burning
- Helps in the treatment of Cellulite



Usage

- Creams, lotions, emulsions, gels and body sprays.

Description

Nano 3C is a blend of encapsulated active ingredients with draining action, which acts in the reduction of body measurements, also helping in the treatment of cellulite and the reduction of localized fat.

Safflower oil is an excellent antioxidant, rich in oleic acid (omega 9), linolenic acid (omega 3) and one of the richest sources of linoleic acid (omega 6). It is a great massage oil, stimulates the production of a hormone called adiponectin, is indicated to treat and prevent cellulite by acting on the intradermal layer of the skin. It is extracted from oilseeds that have elevated levels of essential fatty acids: linoleic acid (60-80%) and oleic acid (20-40%).

Omega 6 and omega 3 are responsible for the production of prostaglandins as well as acting as catalysts for fat burning, being metabolism accelerators.

Coconut oil is rich in vitamin E and gallic acid, considered as a thermogenic substance, able to reduce waist circumference.

Clove oil contains eugenol, substance with antiseptic and analgesic activity.

Nano 3C combines substances that synergistically act to reduce body measurements. The natural characteristics of the active ingredients allow it to be used daily, in both professional and home care applications.

Regulatory Information

INCI NAME	CAS NUMBER
AQUA	7732-18-5
CARTHAMUS TINCTORIUS SEED OIL	8001-23-8
COCOS NUCIFERA OIL	8001-31-8
LINOLEIC ACID	60-33-3
OLEIC ACID	112-80-1
PALMITIC ACID	57-10-3
EUGENIA CARYOPHYLLUS BUD OIL	84961-50-2
POLYSORBATE 80	9005-65-6
PPG-15 STEARYL ETHER	25231-21-4
STEARETH-2	9005-00-9
STEARETH-21	9005-00-9
PHENOXYETHANOL	122-99-6
CAPRYLYL GLYCOL	1117-86-8
TOCOPHERYL ACETATE	7695-91-2
BHT	128-37-0

Physical-chemical Information

PHYSICAL STATE	LIQUID
FORM	MILKY
COLOR	WHITE TO CREAM
ODOR	CHARACTERISTIC
pH	3,0 TO 6.5
DISPERSIBILITY	DISPERSION OF ATIVES ENCAPSULATED IN WATER
RELATIVE DENSITY	0.9 TO 1.1 g/ML
CHEMICAL IDENTITY	ORGANIC
CHARACTERIZATION	BLEND

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

** Shake before using.



STORAGE:

KEEP AT ROOM TEMPERATURE BETWEEN
20 AND 25 °C



INCOMPATIBILITY:

ETHANOL AND OTHER ORGANIC SOLVENTS



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Effectiveness Test

Nano 3C has been tested for safety and clinical effectiveness to evaluate the improvement of the signs of gynoid lipodystrophy.

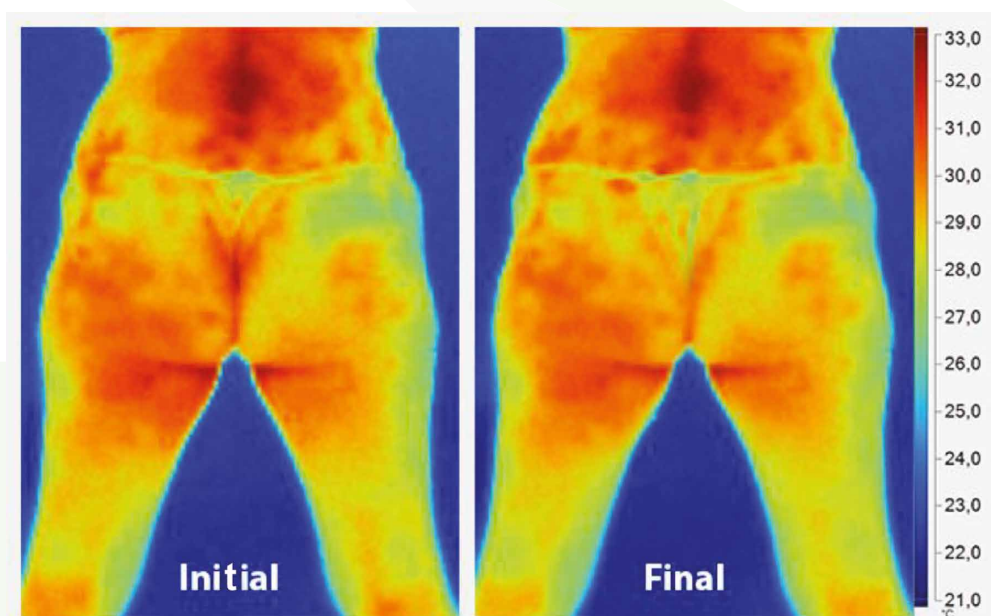
Evaluated product: Spray with Nano 3C 10%

Evaluation period: After 1 application with massage (lymphatic drainage) for 15 minutes.

Safety evaluation - RIPT test:

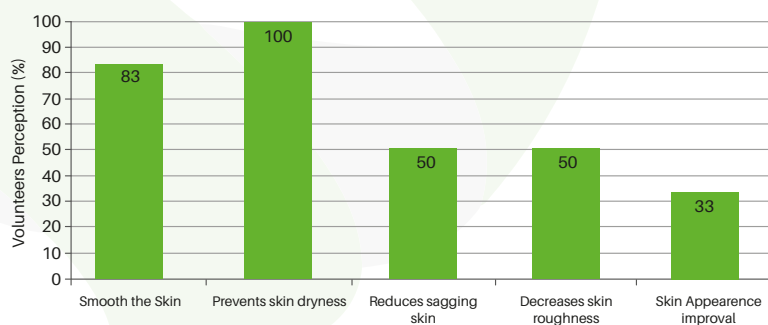
The product was evaluated for Primary Dermal Irritability, Accumulated Dermal Irritability and Dermal Sensitization.

Lotion with Nano 3C 10% did not induce detectable irritating phenomena during the study period and was considered safe for topical use.



Results: According to the results obtained by applying the study protocols described in this report, after the first application of the research product SPRAY ANTICELULITE WITH NANO 3C 10% 10%, it was possible to verify that:

- By the sensorial evaluation by perceived efficacy it was possible to verify that the following percentage of research participants classified the research product as effective:



Reduces the appearance of ripples on the skin: 17%

Provides smooth skin: 67%

Reduces sagging skin, leaving it firmer: 33%

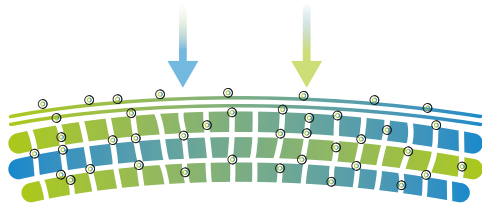
Prevents skin dryness, leaving it more moisturized: 67%

Decreased skin roughness, making it softer: 67%

Improves overall skin appearance: 50%

- In the evaluation of pleasantness, the beautician evaluated the research product as adequate in the attributes: Absorption by the skin, nice touch and silky touch on the skin, pleasing texture and scent.

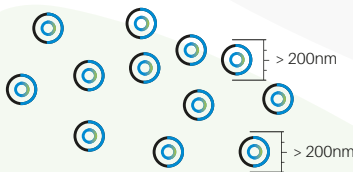
Nanovetores Encapsulation Technology



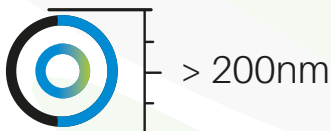
Multifunctional Lipid Particles that promote hydration and extended effect.



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, where enzymes present on the skin disintegrate particles, releasing the active ingredient specifically where it needs to act.

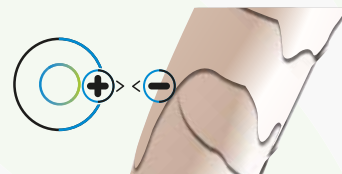


Active ingredient deposition when applied freely



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