



**EVALUATION OF THE COSMETIC “SLIMMING” EFFECT
(PROVIDES SUPPORT IN THE REDUCTION OF LOCALI-
SED ADIPOSITIES) OF
GUAM FANGOCREMA SOLE
SOLARE SNELLENTA
(SLIMMING MUD SUN CREAM) SPF 6/15/30**

The test was carried out by the Institute of Pharmacology of a major Italian University on 30 female volunteers (10 women for each of the 3 SPF protection factors) aged between 18 and 50, selected according to the following inclusion criteria:

- good health
- Caucasian race
- uneven distribution of subcutaneous fat
- no skin pathologies
- no pharmacological treatments underway
- subjects undertake not to change their normal daily routine
- no case history of atopy

The tested product was applied to the skin of thighs, buttocks and abdomen once a day for 30 consecutive days.

The instrumental parameters were evaluated after 15 and 30 days of use of the product.

The study included both instrumental and clinical evaluations. In addition, the volunteers were asked to express their personal opinion at the end of the study (self-evaluation).

The instrumental evaluations carried out are:

Evaluation of the thickness of subcutaneous fat – Skinfold test (measurement of the thickness of the skinfold using calipers; this method provides numerical data on the subcutaneous fat layer; the abdomen skinfold, thigh skinfold and skinfold above the iliac crest were measured).

Anthropometric methods - Circumferences (the circumference of the abdomen, hips, buttocks and thighs were evaluated).

Measurement of extracellular water – Impedance analysis (the measurement of body impedance is a reliable index of the total amount of water and adipose tissue in the body)

Digital macro photography (from the beginning to the end of the treatment).

The clinical evaluations carried out by the dermatologist are the following:

- skin compactness
- skin tolerance

In particular the following parameters of reference were evaluated:

- reduction of the circumference of waist, hips, buttocks and thighs
- reduction of the subcutaneous fat layer
- reduction of adipose tissue
- improvement of skin compactness
- tolerability
- self-evaluation (“remodelling” effect, cosmetic pleasantness and tolerability)



Conclusions:

On the basis of the results obtained it can be stated that the GUAM FANGOCREMA SOLE SOLARE SNELLENTI (GUAM SLIMMING MUD SUN CREAM) SPF 6 – SPF 15 – SPF 30 determined a positive variation of the parameters analysed during the treatment period, on the volunteers tested. In particular the use of the product determined:

- a reduction of deposits of subcutaneous fat in the areas tested, as shown by the skinfold test, thus reducing the uneven local distribution of subcutaneous fat;
- reduction in extracellular water (water retention), thus favouring the elimination of excess fluids from interstitial space (subcutaneous edema);
- reduction of the circumference of waist, hips, buttocks and thighs;
- improvement of skin compactness.

The effects obtained in the test were also perceived by the volunteers involved in the study; they rated the overall efficacy of the product as quite good.