

## STRUGGLE AGAINST CELLULITIS: ANTI-WATER ACTIVITY

### Function and Characteristics:

REDULITE is a transparent viscous gel based on a synergistic combination between the phytocosmetic, diuretic activity of Elderberry (*Sambucus nigra* L.) extract, and the physical osmotic activity of a glyceryl polyacrylate gel.

### Cosmetic interest (properties):

REDULITE introduces a new concept in the struggle against cellulitis.

REDULITE aims at the problem of interstitial water retention in the hypodermal adipose tissue, by favouring drainage and water mobilisation for a better evacuation and an improved tissue structure. The original activity of REDULITE resides in the remanent effect due to the restructuring of the hypodermis tissue, thus allowing for long-lasting, improved evacuation of water, toxins and lypolysis metabolites.

REDULITE is an indispensable complement for slimming, firming, anti-cellulitis classical treatments involving lypolytic agents.

### Applications:

Gels and emulsions.

### Recommended use level : 15 to 25%

These high percentages result from the osmotic character of the gel, which only becomes operative above a certain threshold.

### CTFA / INCI name:

Glycerin - Water (Aqua) - Ethoxydiglycol - Sambucus Nigra (Flower) Extract - Sodium Polyacrylate

### Specifications:

Appearance	: transparent gel
Colour	: yellow
Odour	: characteristic
pH (10%)	: 5.0 - 7.0
Refractive index (25°C)	: 1.415 - 1.435
Water content (K. Fischer)	: 25 - 35%
Bacteria	: < 100 germs/g
Yeasts - Moulds	: < 10 germs / g

Patent Sederma: FR 2 735 023

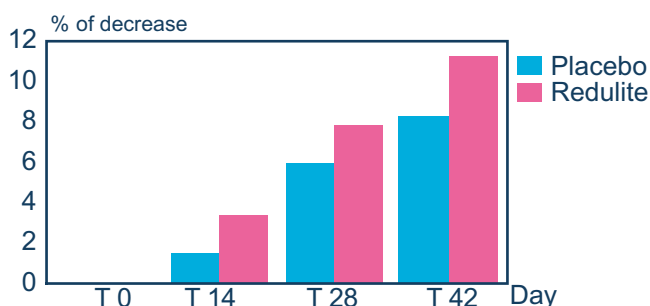
## CLAIM SUBSTANTIATION

### IN VIVO

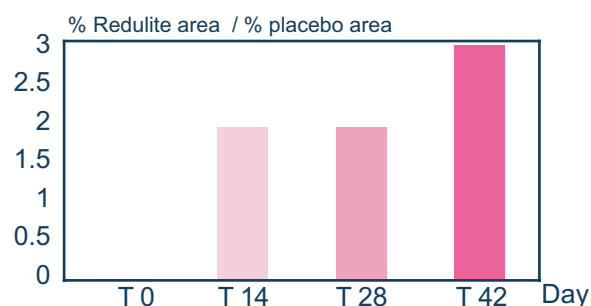
Assessment of the anti-cellulitic efficacy of REDULITE (study performed by Laboratoire SPINCONTROL, Tours):

9 female volunteers / Daily application for 28 days of an emulsion containing 20 % REDULITE compared to a placebo / Ultrasound echography and centimetric measurements at T0, T14, T28 and T42.

**Evolution of the percentage of decrease of the hypodermal thickness by echography**



**Difference in percentage of decrease between the thigh treated with REDULITE and the placebo treated thigh by echography**



A decrease of the adipose layer by -8% within 4 weeks is registered. This decrease reaches up to -12% in 6 weeks, even after having suspended the use of the product (remanent effect).

These outstanding results obtained by echography have been confirmed by a centimetric measurement of thigh circumference, which decreases by 10 mm on average after 28 days, and up to 15 mm even after break of treatment.

Anti-water retention effect (a study performed by Laboratoire SPINCONTROL, Tours):

female volunteers / 42 days / daily application of an emulsion containing 20% REDULITE for 28 days / ultrasound echography.

Images obtained by echography also show an efficacy against water retention: one observes a more homogeneous, more regular and better structured tissue.

