

MORO ORANGE VARIETY, THE NATURAL APPROACH TO WEIGHT CONTROL

MOROSIL™ is a standardized powder extract obtained from the juice of a unique cultivar of Moro red oranges (*Citrus sinensis* (L.) Osbeck). "Moro" is the most pigmented blood orange.



COMPOSITION

MOROSIL™
% (W/W)

Anthocyanins

(as cyanidin-3-glucoside)

0.8 - 0.9

Hydroxycinnamic acids

(as caffeic, cumaric, sinapic, ferulic, cinnamic)

0.8 - 1.0

Flavanones

(as hesperidin, narirutin)

2.0 - 2.2

Ascorbic acid

4.3 - 4.5

SUGGESTED DOSAGE: 400 MG/DAY

Thanks to the synergistic mechanism related to the pool of **polyphenols** contained in the Moro blood orange extract, **MOROSIL™** may be used in the management of weight control and, acting on fat accumulation, it can indirectly be used to improve the cardiovascular functions.

Benefits



HEALTHY WEIGHT MANAGEMENT SUPPORT



SUPPORTS OPTIMAL BMI AND BODY COMPOSITION



SUPPORTS OPTIMAL WAIST AND HIP CIRCUMFERENCE

Moro Red Orange is the most colorful of the blood oranges. The color is intense red, at times almost black, due to the higher content of anthocyanins, compared to the other red-orange varieties; the flavor is stronger and the aroma is intense. The orange juice could be considered a co-product of the agro-alimentary industry where the oranges no more appealing to the food market are squeezed to produce the juice.

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Mechanism of action



● ACTS ON ADIPOCYTES METABOLISM AND DIFFERENTIATION

It is able to modulate the adipogenesis through several key pathways in which redox homeostasis alteration is also involved together with the downregulation of adipocyte-specific and lipogenic gene transcription.

● HELPS THE WEIGHT MANAGEMENT

It is able to promote weight loss and change the body mass index acting on waist and hip circumferences in men and women.

● BOOSTS THE RESULTS OF CALORIE RESTRICTION DIET AND EXERCISE

It is able to accelerate the reduction of body weight and change in body mass index acting on waist and hip circumference in men and women of Caucasian and Asian ethnicity. Moreover, it is able to improve the body composition (DEXA scan) by decreasing general fat mass and fat mass trunk.

Scientific findings

The activity of **MOROSIL™** has been evaluated in a randomized, double-blind, placebo-controlled clinical trial carried out:

- on **102 volunteers** with a BMI between 25 and 30 kg/m²
- treated with **400 mg/day of MOROSIL™**
- for **6 months**

		3 MONTHS	6 MONTHS
BODY WEIGHT	MOROSIL™	↓ -3,3%	↓ -4,2%
	Placebo	↓ -2,1%	↓ -2,3%
WAIST CIRCUMFERENCE	MOROSIL™	↓ -2,5%	↓ -3,6%
	Placebo	↓ -2,3%	↓ -2%
HIP CIRCUMFERENCE	MOROSIL™	↓ -2,1%	↓ -2,8%
	Placebo	↓ -1,7%	↓ -1,9%

The **MOROSIL™** supplementation lead to a change in the fat body composition: there was a statistically significant decrease in the abdominal, visceral and subcutaneous fat mass, while the lean mass was kept constant.