

## Ingredients:

Purified water; Fructose syrup; Hesperidin; Blueberry (Vaccinium myrtillus L.) concentrated fruit juice; Diosmin; Gotu kola (L.) Urb.herba d.e. Tit. 20% Asiaticoside; Blueberry (Vaccinium myrtillus L.) fruit d.e. Tit. 1% Anthocyanosides; Polysorbate 80; Beetroot (Beta vulgaris L.) dehydrated concentrated juice roots; Xanthan gum; Aroma; Preservatives: Potassium sorbate, Sodium benzoate; Sodium chloride; Acidifier: Citric acid.

## The recommended dose is1 vial daily

## **References:**

https://www.mdpi.com/1420-3049/23/9/2174/htm https://journals.sagepub.com/doi/pdf/10.1177/1934 578X1501000921

Made in Italy

Average analysis Per 1 bottle Diosmin 400 mg Hesperidin 600 mg Blueberry dry extract 120 ma of which Anthocyanosides 1.2 ma Centella d.e. 200 mg of which Asiaticoside 40 ma

\* Nutritional Reference Value





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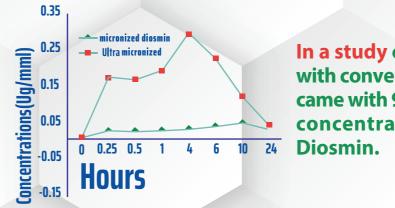
## Diodin plus



Varicose veins



They have a specific action on the permeability and resistance of capillary walls. They have a remarkable anti-inflammatory effect and also an effect on the metabolism of retina photopigments. The protection action on capillaries is also useful in the therapy of vascular alterations caused by diabetic retinopathy.



**Ultra-micro technology** is a patented technolog, that reduces particles size, usual dimension of Standard microencapsulation is 50-500 µm, while in ultra-micro technology we provide significantly reduced dimension 1-30 µm.

Ultra-micronization can be considered a consolidated technology to improve the **bioavailability** of poorly soluble substances, further increases in oral bioavailability are required to achieve optimal therapeutic efficacy

### **Advantages:**

- 1. Remains intact until it reaches the intestine.
- 2. The reduced size of the ultra-micronized microspheres guarantees a closer approach to the intestinal villi allowing increased intestinal absorption.
- 3. the ultra-micronized microcapsules have very small dimensions compared to normal microcapsules and they are highly absorbed in the intestine;
- 4. ensure excellent gastric tolerability, reducing the onset of normal gastrointestinal disorders.
- 5. covers the unpleasant taste of the core, and can be taken without water.

# Diodin plus

Diodin plus is a food supplement based on ultra-micro encapsulated form of Diosmin, Hesperidin, with titrated extracts of Gotu Kola (Centella) and Blueberry. Gotu Kola and Blueberry facilitate microcirculation (heavy legs).

## Hesperidin:

Maintains integrity and normal permeability of capillary walls, prevents red cell leakage from blood flow. It also has oxidoreductive properties, it takes part in the processes of cellular respiration and in the metabolism of carbohydrates by helping to reduce the blood glucose concentration.

## Diosmin:

natural flavonoid with remarkable capillary protection properties. helps to heal capillary and venous system infections, Diosmin has largely used as adjuvant treatment for circulatory disorders, including chronic venous insufficiency (CVI) and hemorrhoids.

Diosmin + Hesperidin are flavonoids. they work by blocking the action of chemical messengers (prostaglandins, thromboxane A2) which cause inflammation (swelling) of the veins. This improves blood flow in the veins and restores normal vein function.

Diosmin and hesperidin are venotonic and vasoprotective flavonoid compounds. The combination reduces venous distensibility and stasis, normalizes capillary permeability, and reinforces capillary resistance in the microcirculation. Diosmin is synthesized from hesperidin.

## Gotu Kola extract (Centella):

it has distinctive modular properties on the development of connective tissue, which results in an improved healing process of wounds, an improved epithelization and a normalization of perivascular connective tissue, giving a better tone and elasticity to venous walls. These properties help to recover the hemodynamic balance of the micro-vascular tissue system, which is always modified in varicosesyndromes.





In a study comparing ultra-micronized Diosmin with conventional micronized Diosmin the results came with 9 times higher ultra-micronized plasma concentration than conventional micronized

