## Dermoguna

## BEAUTYFROMWITHIN

acting on your skin from the inside out



Skin ageing represents the inevitable structural and functional decay of tissues caused mainly by<sup>1</sup>:

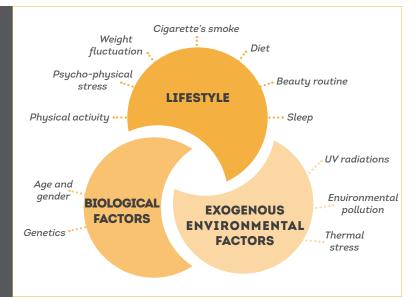
#### EXOGENOUS ENVIRONMENTAL FACTORS

**BIOLOGICAL FACTORS** 

LIFESTYLE



# Major Factors in SKIN AGEING



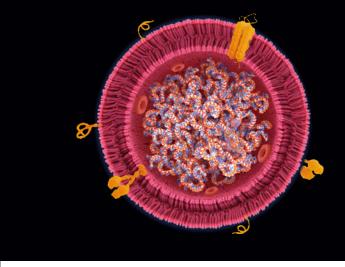
The Guna exosomal line has been enriched with Dermoguna body cream, a cosmetic treatment with a toning action that restores the glow of skin and maintains its natural elasticity.

#### The common strength of Dermoguna capsules and body cream lays on DERMACOLLAGEN NEORLAND®



Beauty from within: why is it important to intervene both inside and outside the body?

The synergy of a systemic approach combined with an action on the topical level is the winning strategy for the skin's well-being and beauty



Thanks to the freeze-drying technology, Dermacollagen Neorland<sup>®</sup> preserves the properties of the original raw material, i.e. collagen from dermis. It is analysed to ensure the presence of exosomes, nano- and microvesicles, natural carriers of active substances involved in regulating skin functions.

Dermal exosomes carry various substances, including miRNAs, which nourish the skin and stimulate its bio-vitality  $^{2.3}$ .

## THE CHARACTERISTICS OF

#### DERMOGUNA FOOD SUPPLEMENT

In addition to Dermacollagen, it also contains:

#### HORSETAIL<sup>4</sup>

#### It is rich in flavonoids and **silicon**, an **essential mineral**.

Horsetail supports the trophism of connective tissue and the well-being of nails and hair.



#### VITAMIN C

It contributes to normal collagen formation.

Two capsules of Dermoguna contain 80 mg of Vitamin C, equivalent to **100%** of the NRV (Nutrient Reference Value).



#### VITAMIN E

It is essential to protect cells against oxidative stress.

Two capsules of Dermoguna contain 6 mg of Vitamin E, equivalent to **50%** of the NRV (Nutrient Reference Value).



#### NIACIN AND VITAMIN B2

Niacin, also called Vitamin B3, and Vitamin B2, or Riboflavin, contribute to the maintenance of normal skin and normal energy metabolism.

Two capsules of Dermoguna contain 8 mg of Niacin, equivalent to  ${\bf 50\%}$  of the NRV.

Two capsules of Dermoguna contain 0.70 mg of Vitamin B2, corresponding to  ${\bf 50\%}$  of the NRV.



Vitamins C and E are antioxidant substances that act in synergy, protecting cells from oxidative stress<sup>5</sup>

## THE CHARACTERISTICS OF

#### **DERMOGUNA BODY CREAM**

Dermoguna body cream is a cosmetic treatment for localised imperfections with a toning action that brightens the skin and maintains its natural elasticity.

In addition to Dermacollagen Neorland<sup>®</sup>, analysed to ensure the presence of exosomes, it contains:



#### **GRAPE SEED OIL**

Grape seeds are rich in antioxidants that protect the skin from environmental stress, in particular pollution, UV-A and UV-B rays. Grapeseed oil exerts its anti-ageing effect through 3 mechanisms of action<sup>6,7,8</sup>:

- 1. Anti-pigmentation effect against skin blemishes caused by photo-ageing
- 2. Counteraction of collagen and elastin depletion
- 3. Antioxidant properties thanks to phenolic derivatives.



#### HORSE CHESTNUT FRUIT EXTRACT

It has vasotonic properties, which stimulate **microcirculation** activity and combat the stagnation **of liquids**<sup>9</sup>.

#### **VITAMIN E**

It is one of skin's main **antioxidants**.

When under pro-oxidative environmental stressors, the topical application of antioxidants **maintains a healthy skin barrier** and protects from UV-induced **photo-ageing**<sup>10</sup>.

Thanks to its protective action against **free radicals**, it slows down **cellular ageing**, preserves the structure of **collagen**, improves skin's **elasticity** and keeps its appearance **youthful**.







#### SYNERGIC ACTION food supplement and body cream

#### How to use:

2 capsules a day for 30 days. From day 15, apply Dermoguna body cream every evening on the affected area.

#### Maintenance:

2 capsules a day.

Apply Dermoguna body cream every other evening on the affected area.

Repeat as and when needed



Food supplement

Dermog



#### Ingredients

Horsetail (*Equisetum arvense* L.) aerial parts powder, freeze-dried collagen (Dermacollagen) vitamin C (L-ascorbic acid), vitamin E (d-alphatocopherol), anti-caking agent: magnesium salt of fatty acids; niacin (nicotinamide), vitamin B2 (riboflavin); (for the capsule) gelatin from pullulan (naturally fermented from tapioca).

#### Warnings

Store the product in a cool and dry place and protect from light. The expiry date refers to a product correctly stored in its original and undamaged packaging. Keep out of the reach of children under 3 years of age. Do not exceed the recommended daily dose. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle. Seek medical advice before using the product if pregnant or breast-feeding.

#### **Nutrition facts**

|                                   | Per 100 g   |            | per 2 capsules |        | %NRV*<br>2 capsules |
|-----------------------------------|-------------|------------|----------------|--------|---------------------|
| Energy                            | 1469<br>352 | kJ<br>kcal | 14.69<br>3.52  |        |                     |
| Fat<br>of which saturates         | 13.3<br>6   | 9<br>9     | 0.13<br>0.06   | g<br>g |                     |
| Carbohydrate<br>of which sugars   | 11.3<br>9.1 | 9<br>9     | 0.11<br>0.09   | g<br>g |                     |
| Protein                           | 37.4        | g          | 0.37           | g      |                     |
| Salt                              | 0.6         | 9          | 0.006          | g      |                     |
| Horsetail, aerial parts<br>powder | 38.4        | 9          | 384            | mg     |                     |
| Freeze-dried collagen             | 30          | g          | 300            | mg     |                     |
| Vitamin C                         | 8000        | mg         | 80             | mg     | 100                 |
| Niacin                            | 800         | mg         | 8              | mg     | 50                  |
| Vitamin E                         | 600         | mg         | 6              | mg     | 50                  |
| Vitamin B2                        | 70          | mg         | 0.70           | mg     | 50                  |

\*NRV: Nutrient Reference Values

#### Instructions for use

It is recommended to take up to 2 capsules per day with a little water. Take 1 capsule at a time: half an hour before the 2 main meals.





#### Ingredients

Aqua, Vitis Vinifera Seed Oil, Propanediol, Cetearyl Alcohol, Macadamia Ternifolia Seed Oil, Parfum, Glyceryl Stearate, Cetearyl Alcohol, Lanolin, Hydrolyzed Collagen, Sodium Stearoyl Lactylate, Sodium Lauroyl Glutamate, Hydroxyacetophenone, Caprylyl Glycol, 1,2-Hexanediol, Tocopheryl Acetate, Xanthan Gum, Glycerin, Aesculus Hippocastanum Fruit Extract, Citric Acid, Potassium Sorbate, Sodium Benzoate, Sodium Hydroxide, Lecithin, Tocopherol, Ascorbyl Palmitate, d-Limonene\*.

\* Reg. 1223/2009/EC allergenic substances not used as such but naturally present in the ingredients used in the formulation.

#### Instructions for use

Apply Dermoguna body cream to the affected area and massage thoroughly until complete absorption, especially in critical areas. It is suitable for daily use.



Abdomen: overlap your hands and spread the cream in circular movements starting from the belly button and extending to the hips. Then massage the hips from top to bottom in circular movements. Repeat 5 times..



Legs and buttocks: starting from the ankle massage with wide, circular movements upwards: continue upwards on the thigh with circular movements up to the buttock. Repeat 3 times.



Arms: massage from the elbow towards the shoulder with small circular movements. Repeat 3 times.

#### Warnings

Keep out of reach of children.



#### References

- Krutmann J, Bouloc A, Sore G, Bernard BA, Passeron T. The skin aging exposome. J Dermatol Sci. 2017 Mar;85(3):152-161. doi: 10.1016/j.jdermsci.2016.09.015. Epub 2016 Sep 28. PMID: 27720464.
- Yang GH, Lee YB, Kang D, Choi E, Nam Y, Lee KH, You HJ, Kang HJ, An SH, Jeon H. Overcome the barriers of the skin: exosome therapy. Biomater Res. 2021 Jul 3;25(1):22. doi: 10.1186/s40824-021-00224-8. PMID: 34217362; PMCID: PMC8254055.
- Liang JX, Liao X, Li SH, Jiang X, Li ZH, Wu YD, Xiao LL, Xie GH, Song JX, Liu HW. Antiaging Properties of Exosomes from Adipose-Derived Mesenchymal Stem Cells in Photoaged Rat Skin. Biomed Res Int. 2020 Dec 21;2020:6406395. doi: 10.1155/2020/6406395. PMID: 33415151; PMCID: PMC7769639.
- Pallag A, Filip GA, Olteanu D, Clichici S, Baldea I, Jurca T, Micle O, Vicaş L, Marian E, Soriţău O, Cenariu M, Mureşan M. Equisetum arvense L. Extract Induces Antibacterial Activity and Modulates Oxidative Stress, Inflammation, and Apoptosis in Endothelial Vascular Cells Exposed to Hyperosmotic Stress. Oxid Med Cell Longev. 2018 Feb 14:2018:3060525. doi: 10.1155/2018/3060525. PMID: 29636839. PMCID: PMC5832138.
- Burke KE. Interaction of vitamins C and E as better cosmeceuticals. Dermatol Ther. 2007 Sep-Oct;20(5):314-21. doi: 10.1111/j.1529-8019.2007.00145.x. PMID: 18045356.

# BEAUTY FROM WITHIN Dermogunie

- Michailidis, D.; Angelis, A.; Nikolaou, P.E.; Mitakou, S.; Skaltsounis, A.L. Exploitation of Vitis vinifera, Foeniculum vulgare, Cannabis sativa and Punica granatum By-Product Seeds as Dermo-Cosmetic Agents. Molecules 2021, 26, 731. https://doi.org/10.3390/molecules26030731.
- Pulok K. Mukherjee, Rajarshi Biswas, Akanksha Sharma, Subhodip Banerjee, Sayan Biswas, C.K. Katiyar, Validation of medicinal herbs for anti-tyrosinase potential, Journal of Herbal Medicine, Volume 14, 2018, Pages 1-16, ISSN 2210-8033, https://doi.org/10.1016/j.hermed.2018.09.002.
- Galanakis, C.M. (Ed.) Grape Processing By-Products as Active Ingredients for Cosmetic Proposes. In Handbook of Grape Processing By-Products Sustainable Solutions; Academic Press: Cambridge, MA, USA, 2017; pp. 267–292, ISBN 9780128098707.
- Idris S, Mishra A, Khushtar M. Phytochemical, ethanomedicinal and pharmacological applications of escin from Aesculus hippocastanum L. towards future medicine. J Basic Clin Physiol Pharmacol. 2020 Jul 10;31(5):/j/ jbcpp.2020.31.issue-5/jbcpp-2019-0115/jbcpp-2019-0115.xml. doi: 10.1515/jbcpp-2019-0115. PMID: 32649293.
- Thiele JJ, Schroeter C, Hsieh SN, Podda M, Packer L. The antioxidant network of the stratum corneum. Curr Probl Dermatol. 2001;29:26-42. doi: 10.1159/000060651. PMID: 11225199.





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