

CUTANIA® Chews

CUTANIA® MINI Chews

Next Generation Dermatological Supplement for Long Term Management of Hair and Skin Conditions in Dogs and Cats.



Data Sheet

Active Ingredients (per chew):

	CUTANIA®	CUTANIA® MINI	u.m.
<i>Perilla frutescens</i>	20	10	mg
<i>Vitis vinifera</i>	30	15	mg
MSM	75	37.5	mg
Zinc	5	2.5	mg
DHA (Omega-3)	7.5	3.75	mg
EPA (Omega-3)	11	5.5	mg
GLA (Omega-6)	15	7.5	mg
Hyaluronic Acid	5	2.5	mg
L-Cysteine	50	25	mg
DMG	50	25	mg
DL-Methionine	50	25	mg
L-Proline	25	12.5	mg
Vitamin A	37.5	18.75	IU
Vitamin B ₃	4	2	mg
Vitamin C	25	12.5	mg
Vitamin E	10	5	IU



Composition (in descending order): Corn starch, brewer's yeast, imitation chicken vegetable flavouring, water, glycerine, soya lecithin, black currant oil, oatmeal, barley, rice and rye, safflower oil, oat bran, methylsulphonylmethane (MSM), vitamin C, L-cysteine, N, N-Dimethylglycine HCl (DMG), DL-Methionine, maltodextrin mixture, sodium alginate and calcium sulphate, fish oil, *Vitis vinifera* extract, L-Proline, *Perilla frutescens* seed extract, zinc, natural vitamin E, sorbic acid, low molecular weight hyaluronic acid (HyaMax®), niacinamide, propionic acid, mixture of natural tocopherols combined with small quantities of silicon dioxide, citric acid, vegetable oil and rosemary extract, vitamin A (retinyl acetate).

Analytical Constituents (CUTANIA®/CUTANIA® Mini): Crude protein 17.1/26.8%; crude oils and fats 13.6/10.33%; crude fibre 0/1.9%; crude ash 4.07/7.46%; moisture 14.3/6.28%; DHA 0.21/0.25%; EPA 0.31/0.36%; GLA 0.43/0.49%.

Essential Nutritional Characteristics: Contains essential fatty acids omega-3 and 6.

Properties:

CUTANIA® and CUTANIA® Mini contain a complete and unique combination of active ingredients that act synergistically to promote the improvement of skin and hair conditions and stimulate natural skin repair.

- ***Perilla frutescens*** is a very rich source of polyunsaturated fatty acids. Compared to other vegetable oils, it contains the highest proportion of Omega-3 (ALA) fatty acids, high percentages of Omega-6, such as Linoleic Acid, with excellent antihistamine and antioxidant properties and Omega-9 (Oleic Acid). Furthermore, it is a rich source of phenolic compounds, flavonoids and anthocyanins such as rosmarinic acid and luteolin. These compounds are known for their antioxidant properties, their anti-microbial, anti-inflammatory and especially anti-histaminic action.
- **Omega-3 and 6** fatty acids are associated with benefits in a wide range of inflammatory processes, asthma, allergies, anti-tumour, etc. Supplementation with polyunsaturated fatty acids improves, and sometimes eliminates, the itching in allergic dermatopathies, such as atopy and allergies to fleabites in the case of dogs, and allergic and idiopathic itching in cats. Numerous studies have shown that they suppress a wide range of allergic mediators in allergic and inflammatory responses, due to the effects of Alpha-Linolenic Acid (ALA) on leukotrienes. Moreover, they improve skin elasticity.
- **MSM** (Methylsulphonylmethane) has analgesic and anti-inflammatory properties. MSM reduces scar tissue, speeding up wound healing and it promotes collagen production. In healthy dogs MSM improves overall health and promotes growth and luster of the coat.

Management of atopy and other chronic skin disorders.



Features

16 active ingredients having synergistic effect:

- *Perilla frutescens* (rich in polyphenols with antihistamine action)
- Omega-3 y Omega-6
- MSM
- Zinc
- Hyaluronic Acid
- Vitamins A, B₃, C and E
- Cysteine, Methionine and Proline

Dual Action:

- Breaks the vicious cycle *Itching-Inflammation-Discomfort*»» *Scratching-Licking-Self-Harm*....
- Stimulates keratin and collagen production, activating the natural repair mechanisms in the skin.

Promotes fast and healthy healing.

Alternative to corticosteroids for controlling clinical symptoms after overcoming the acute phase.

Supportive nutraceutical for follicular dysplasias.

Highly palatable chews.

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- **Hyaluronic Acid** is responsible for initiating the recovery and stabilisation process when the skin suffers injury by inducing the activation of receptors and immune system cells. In addition to its healing properties, it also acts as an antimicrobial barrier. It has the ability to retain large quantities of water, useful for lubricating and stimulating collagen production.
- **DMG** (DiMethylGlycine) improves the immune system and also has anti-inflammatory and antioxidant properties.
- **Vitamins A** (Retinol), **B₃** (Niacin/Niacinamide), **C** and **E** (Alpha-Tocopherol) are necessary for the skin's proper healing process, being important for their role in the formation and maintenance of collagen, as well as for their antioxidant effect that helps control the action of free radicals, essential for the prevention of cell ageing.
Moreover, Vitamins B₃ and C reduce skin hyperpigmentation.
- **Zinc** is a mineral which is involved in the immune response, necessary for the formation of proteins and collagen. It works synergistically with Vitamin E. At the cutaneous level it actively takes part in the regeneration of the extra-cellular matrix, healing processes, connective tissue repair, inflammation, and cell growth.
- **L-Cysteine** is a constituent of alpha-keratin, the most abundant protein in the skin, hair and nails. It takes part in the healing process.
- **DL-Methionine** and **L-Proline** are involved in collagen production and in wound repair. They have antioxidant properties and are also involved in immune responses. Methionine also reduces the release of histamine.
- **Vitis vinifera** (grape seed extract) contains proanthocyanidins, which improve the reconstruction of connective tissue, reduce the damage caused by prostaglandins, inhibit the release of histamine and protect collagen and elastin fibres through their antioxidant action.

Mechanism of Action:

- **Phase I:** *Perilla frutescens*, MSM, Omega-3, Omega-6, L-Methionine, *Vitis vinifera* and DMG reduce itching, discomfort and inflammation, minimising the response of the pet (scratching, licking, self-harm) which perpetuates the process.
- **Phase II:** Hyaluronic Acid, MSM, essential amino acids Cysteine, Methionine and Proline, Vitamins A, B₃, C and E, Zinc and *Vitis vinifera* stimulate collagen production and skin hydration, speeding up recovery and healing.

Indications: Indicated in hair and skin conditions to break the vicious cycle *Itching/Inflammation/Discomfort*»*Scratching/Licking/Self-harm*..., and to stimulate collagen and keratin production in order to activate the skin's natural repair mechanisms. Essential in long term treatments because it is able to maintain appropriate conditions for recovery of wounds and the proper functioning of epithelial tissue. CUTANIA® is a good alternative to corticosteroids to control the clinical conditions once the acute phase has passed.

- Atopic dermatitis: environmental, seasonal allergies...
- Food allergies.
- Skin traumas: post-surgical healing, burns, etc.
- Infectious (*Malassezia*, bacteria or fungi) and parasitic (scabies, fleas...) dermatitis.
- Ichthyosis, dry, moist seborrhoeic dermatitis...
- Localised dermatitis: moist eczema, pododermatitis, licked granuloma, etc.
- Follicular dysplasia...

Target Species: Dogs and cats.



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Directions of Use:

CUTANIA® Chews: 1 chew/7.5 kg.

CUTANIA® Mini Chews: 1 chew/3.75 kg.

Do not administer to animals with diarrhoea.

Warnings: VetNova is a pioneer in the development of Chews technology to facilitate administration of supplements to cats and dogs. Unlike tablets, capsules, etc. which are administered in a "forced" manner to the mouth to ensure the product is taken, Chews should be administered freely in the pet's bowl and the pet left to take them voluntarily. Some shy cats and dogs may need a longer time to fully accept them, but once they do the daily intake is easier and more satisfactory. The following strategies can be used during the first week to facilitate initial acceptance: 1) Reduce the dose and gradually increase it, 2) Divide the daily dose into two separate doses (morning and evening), 3) Crush the Chew and mix it with pate or any food which the pet enjoys, etc.

Presentation:

- CUTANIA® Chews: 60 Chews (1 month for a 15 kg dog).
- CUTANIA® Mini Chews: 60 Chews (2 months for a cat or miniature dog).

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VN-PUB-0089EN.0616