



40.6402° N, 73.9061° W

VINTAGE LABS

HSN COMPLEX

CLINICAL APPLICATIONS

- Provides Key Nutrients for Skin, Hair and Nails
- Enhances Collagen Formation
- Thickens and Strengthens Hair and Nails
- Promotes Hormone Balance

PRACTITIONER EXCLUSIVE:



This product provides several essential vitamins, minerals and phytonutrients needed to support healthy skin, hair and nails. Cosmedix provides betaine HCl, which helps to promote efficient digestion and assimilation of proteins and minerals necessary for hair and nail health. It includes MSM, which provides a bioavailable source of sulfur, for connective tissue integrity. Saw palmetto is added to support normal levels of DHT, known to play a role in the thickness and health of hair. In addition, silica (from bamboo stem and leaf extract) is included for its collagen-enhancing properties. Each serving of this product contains 100 mg betaine HCl, 320 mg of saw palmetto and 325 mg MSM. Added support from vitamin A, vitamin D3, folic acid, vitamin B12, biotin and selenium provides a full spectrum of skin, hair and nail support.

Overview

Healthy skin, hair and nails result from a variety of biological factors, including balanced nutrition and a healthy lifestyle. Collagen, the body's main structural protein, makes up 70% of the skin and is vital in helping to maintain the skin's firmness, suppleness and elasticity, as well as the constant renewal of skin cells.¹⁻³ Research has shown collagen production begins to decrease around the age of 18 and continues to decline at a rate of about 1% per year after age 40.¹ For women, after menopause, skin thickness may decrease at a rate of about 1-2% annually.²

Betaine HCl supports optimal protein breakdown, which allows for more efficient manufacturing of collagen, particularly during years of decreased collagen production. MSM provides a source of bioavailable sulfur, an integral nutrient in healthy

skin and hair, which plays a key role in collagen regeneration. Together with saw palmetto, which promotes a healthy balance of hormones for optimal hair thickness and health, and key nutrients such as silica, biotin and vitamin A, **this product** provides a complete spectrum of support for healthy skin, hair and nails.

Betaine HCl[†]

Betaine is a natural substance found in foods such as beets, spinach and grains. Hydrochloric acid combined with betaine has been used for years to support digestion and absorption due to its ability to prime the acidity of the stomach and enhance digestion.⁴ Maintaining optimal acidity in the digestive tract is essential for the complete breakdown of proteins into amino acids, which is a crucial step in the building of skin and hair proteins such as collagen. Research also suggests that betaine supports cellular health. Betaine acts as a methyl donor, which supports healthy methionine, homocysteine and hepatic fat metabolism. Betaine also functions as an osmolyte, supporting cellular integrity and protein balance during fluctuations in hydration and temperature.⁵

Saw Palmetto[†]

Saw Palmetto (*Serenoa repens*) has been used historically to support hormone health, as it provides essential fatty acids and phytosterols. Studies have shown saw palmetto promotes hormonal balance via several mechanisms. Saw palmetto inhibits 5-a-reductase, an enzyme that converts testosterone to 5a-dihydrotestosterone (DHT).⁶ Excessive levels of DHT have been implicated in hair loss issues. A randomized, double-blind, placebo-controlled trial in adult

[†] These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

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men with mild to moderate androgenic alopecia (N = 26, 23-64 years) found oral supplementation with 200 mg saw palmetto plus an extra 50 mg β -sitosterol (a constituent fatty acid of saw palmetto), given twice daily over 25 weeks, improved investigator assessed hair density in 60% of subjects versus 11% with placebo.⁷ Saw palmetto also helps maintain hormonal balance by inhibiting the binding of androgens to receptors⁸ and promotes inflammatory balance by antagonizing the cyclooxygenase and lipoxygenase inflammatory pathways in vitro.^{9,10} Both of these factors are crucial for maintaining healthy skin.

MSM[†]

Methylsulfonylmethane (MSM) is a sulfur-containing compound that occurs naturally in many foods. Sulfur, the main component in MSM, is the third most abundant element by weight in the body and is important for maintaining joint and soft tissue health. Sulfur is important for the generation of connective tissues, including hair, cartilage and collagen. Additionally, it is crucial for the production of amino acids, the building blocks of protein. MSM is an important sulfur donor for several sulfur containing compounds, especially cysteine, which is crucial for the synthesis of glutathione, an important antioxidant in the body.¹¹ Adequate intracellular glutathione concentrations have been shown to mitigate damage caused by excessive free radical formation.¹² Free radicals are molecules thought to be the major cause of cellular aging. In vitro studies have demonstrated that MSM is a potent antioxidant and helps modulate cytokine production to support a healthy cycle of inflammation.^{13,14}

Directions

2 capsules per day or as recommended by your health care professional.

Does Not Contain

Gluten, yeast, artificial colors or flavors.

Cautions

Do not consume this product if you are pregnant or nursing. Consult your physician for further information.

Supplement Facts^{v4}

Serving Size 2 Capsules
Servings Per Container 30

	Amount Per Serving	% Daily Value
Vitamin A (from 5,000 IU as Palmitate)	1,500 mcg	167%
Vitamin D (D3 as Cholecalciferol)	1.2 mcg (50 IU)	6%
Folate	680 mcg DFE (400 mcg Folic Acid)	170%
Vitamin B12 (as Methylcobalamin)	100 mcg	4,167%
Biotin	500 mcg	1,667%
Selenium (as Selenium Glycinate) (Albion®)	25 mcg	45%
Methylsulfonylmethane (MSM) (OptiMSM®)	325 mg	*
Saw Palmetto Berry Extract (Standardized to contain 45% Fatty Acids)	320 mg	*
Stinging Nettle (Leaves)	240 mg	*
para-Aminobenzoic Acid (PABA)	150 mg	*
Bamboo (<i>Bambusa spp.</i>) Stem and Leaf Extract	100 mg	*
Betaine Hydrochloride USP	100 mg	*

* Daily Value not established.

Other Ingredients: Hypromellose (Natural Vegetable Capsules) and Magnesium Stearate.

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