Ultra HNS

Strengthens Hair, Nails & Skin[‡]

DESCRIPTION

Ultra HNS contains a clinically studied solubilized keratin called Cynatine[®] in combination with bioavailable methylfolate, biotin, zinc and vitamin C, to support the strength and appearance of healthy hair, nails, and skin. This formula also provides antioxidant protection to help enhance skin health and barrier function.[‡]

INDICATIONS

• Enhance overall health and appearance of hair, nails, and skin[‡]

FUNCTIONS AND MECHANISM OF ACTION

Keratin is an abundant fibrous protein and has an important structural role in hair, skin, and nails. Cynatine[®] HNS is a natural bioactive keratin extracted from premium-quality pure New Zealand wool using a unique patented process that enables the keratin molecule to be solubilized. This enhances its bioavailability to deliver keratin peptides to the body. In a clinical study, individuals who supplemented with Cynatine[®] for 90 days had improvements in hair loss, shine, and brightness. In addition, nails improved in hardness, resistance, and smoothness, which resulted in less broken nails.[‡]

Ultra HNS provides Metafolin[®], a universally metabolized form of folate that plays an essential role in the health and growth of epithelial cells. It is chemically identical to the active folate metabolite, 5-methyltetrahydrofolate (L-5-MTHF), the predominant naturally occurring form of folate in food. The optimal absorption and bioavailability of Metafolin[®] may contribute to healthy skin appearance by enhancing folate levels. The folic acid precursor PABA (para-aminobenzoic acid) also plays an important role in skin health. PABA has been shown to support the skin's defenses to environmental stress by enhancing antioxidant activity. Biotin is an essential B vitamin and water-soluble nutrient. Biotin supplementation after six months has been clinically shown to support nail firmness and thickness, and to reduce splitting.[‡]

The vital trace mineral zinc requires daily intake, as it cannot be stored long-term in the body. Among its many biological functions, zinc is an important factor in skin barrier function against oxidative stress and plays a role in skin health through cell division and DNA repair, while also contributing to factors involved in the regulation of hair growth. Vitamin C is a known antioxidant that quenches free radicals to help protect the skin's lipids. Vitamin C supplementation has been shown to support skin health, wrinkle reduction, and collagen synthesis by directly mediating the generation of free radicals while providing antioxidant protection. The addition of bioflavonoids improves antioxidant activity, as it works synergistically with Vitamin C, potentially enhancing the skin benefits.[‡]

FORMULA (#201345)

Serving Size 3 Vegetarian Capsules:	
Vitamin C (as ascorbic acid)	
Folate (as Metafolin [®] , L-5-MTHF)	333 mcg DFE
	(200 mcg L-5-MTHF)
Biotin	6,000 mcg
Zinc (as zinc krebs ^{‡‡})	25 mg
Cynatine [®] HNS (soluble keratin)	500 mg
PABA (para-aminobenzoic acid)	75 mg
Citrus Bioflavonoids Complex	

Other ingredients: Hydroxypropyl methylcellulose (capsule), dicalcium phosphate, vegetable stearate, microcrystalline cellulose and silica ^{‡‡}Krebs = Citrate, Fumarate, Malate, Glutarate and Succinate Complex

Gluten-free, Non-GMO

Cynatine[®] HNS is a registered trademark of Roxlor, LLC. Metafolin[®] is a registered trademark of Merck KGaA, Darmstadt, Germany.

SUGGESTED USE

As a dietary supplement, adults take 3 capsules daily or as directed by your health professional.

WARNING

If you are pregnant, nursing, have any health condition or taking any medication, consult your health professional before using this product. Biotin may interfere with certain blood tests. Wait at least 8 hours between biotin consumption and blood testing. Inform your health professional about all biotin-containing supplements you are taking.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

Coulombe PA, Omary MB. Curr Opin Cell Biol. 2002;14(1):110-22. Lister Hill National Center for Biomedical Communications. Genetics Home Reference: Gene Groups. NIH, 2020 Beer C, Wood S, Veghte RH. Scientific World Journal. 2014;2014:641723. Seremak-Mrozikiewicz A. Ginekol Pol. 2013 Jul;84(7):641-6. Institute of Medicine. Food and Nutrition Board. Dietary reference intakes: thiamin, riboflavin, niacin, vitamin b6, folate, vitamin b12, pantothenic acid, biotin, and choline. Washington, DC: National Academy Press; 1998. Fry L, Macdonald A, Almeyda J, et al. Br J Dermatol. 1971 Jun;84(6):539-44. Lucock M. Mol Genet Metab. 2000 Sep-Oct;71(1-2):121-38. Carmel R. Folic Acid. 11th ed. Baltimore, MD: Lippincott Williams & Wilkins; 2005:470-81. Lamers Y, Prinz-Langenohl R, Brämswig S, Pietrzik K. Am J Clin Nutr. 2006 Jul;84(1):156-61. Maki T, Takeda K. Ullmann's encyclopedia of industrial chemistry. Hoboken, NJ: Wiley-VCH; 1985. Synder DS, May M. J Invest Dermatol. 1975 Dec;65(6):543-6. Shih MK, Hu ML. Photochem Photobiol. 1996 Mar;63(3):286-91. Akberova SI. Izv Akad Nauk Ser Biol. 2002 Jul-Aug;(4):477-81. Hu ML, Chen YK, Chen LC, Sano M. J Nutr Biochem. 1996;6(9):504-8. Flindt-Hansen H, Thune P, Larsen TE. Arch Dermatol Res. 1990;282(1):38-41. Pacheco-Alvarez D, Solórzano-Vargas RS, Del Río AL. Arch Med Res 2002;33:439-47. Wood HG, Barden RE. Annu Rev Biochem. 1977;46:385-413. Rodriguez-Melendez R, Lewis B, McMahon RJ, Zempleni J. J Nutr. 2003;133:1259-64. Dakshinamurti K, Cheah-Tan C. Arch Biochem Biophys. 1968;127:17-21. Chauhan J, Dakshinamurti K. J Biol Chem. 1991;266(16):10035-10038. Boeckx RL, Dakshinamurti K. Biochem J. 1974;140(3):549-556. Pacheco-Alvarez D, Solórzano-Vargas RS, González-Noriega A, et al. Mol Genet Metab. 2005;85(4):301-307. Zempleni J, Wijeratne SSK, Kuroishi T. Present Knowledge in Nutrition. 10th ed. Washington, DC: Wiley-Blackwell; 2012:359-74. Rodriguez-Melendez R, Schwab LD, Zempleni J. Int J Vitam Nutr Res. 2004;74:209–16. Vollmer D, West V, Lephart E. Int J Mol Sci. 2018;19(10). pii:E3059. Ahmad W, Irvine AD, Lam H, et al. Am J Hum Genet. 1998;63(4):984-91. Pullar J, Carr A, Vissers M. Nutrients. 2017; 9(8). pii: E866. Hinek A, Kim HJ, Wang Y, et al. J Dermatol Sci. 2014;75(3):173-82. Kishimoto Y, Saito N, Kurita K, et al. Biochem Biophys Res Commun. 2013;430(2):579-84. Lee C, Yang H, Kim S, et al. Int J Cosmet Sci. 2016;38(4):375-81. Kim M, Yang H, Kim H, et al. Int J Cosmet Sci. 2014;36(3):207-12. de Souza RF, De Giovani WF. Redox Rep. 2004;9(2):97-104.

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For more information on Ultra HNS, visit douglaslabs.com

[‡]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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