Hydrolyzed Collagen Protein

Great-Tasting Collagen Protein

Hydrolyzed Collagen Protein is a nutritious dairyfree protein powder made from a highly concentrated and pure bone broth isolate. The protein is sourced from hormone-free, antibiotic-free, non-GMO cows in Sweden, and is ideal for dairy-sensitive patients or those who desire a collagen source of protein.

Hydrolyzed Collagen Protein utilizes a cutting-edge infusion process to preserve critical nutrients, amino acids, peptides, nucleotide fractions, vitamins and minerals. Using this chemical-free process of hydrolysis and ultrafiltration, the protein is split down into an increased number of fragments, which results in higher absorption and assimilation of amino acids and protein.

Product Features

Easily digested **Low Allergenicity Good BCAA Profile Dairy alternative Grass-fed**

Non-GMO Gluten free Dairy free **Soy Free** Egg free

A Complete Protein Source with Collagen Benefits

This protein powder provides 21 grams of protein per serving plus Types I, II and III collagen peptides. The basic structure of collagen consists of a triple helix made up of three alpha strands formed mainly of glycine, proline and hydroxyproline. The difference in collagen types is due to specific patterns of amino



acids within the alpha strands that form the triple helix. Type I collagen is common in skin, bones, tendons, ligaments, vascular ligature and organs. Type II is primarily found in cartilage. Type III is most commonly found in tissues with elastic properties and in the fibrous protein in bone, cartilage, tendons and other connective tissues.

Collagen loss begins between 18 and 29 years of age. By the time a person in 80 years old collagen production has slowed by 75% as compared to young people. Many signs of aging include loss of elasticity of the skin, stiff joints and muscle loss. Other signs of collagen deficiency may include excessive skin wrinkles, blood pressure problems, achy muscles, cellulite, dental problems, thinning hair and brittle nails.



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Supplementing with collagen has been shown in studies to be beneficial for mitigating some of these effects of the aging process. One study showed that food-derived peptides increased in the blood within an hour of ingestion and reduced to baseline levels after 24 hours, illustrating the importance of a balanced diet or regular, daily supplementation.¹

Factors that damage collagen include sugar and refined carbohydrates, excessive sun exposure, smoking and some autoimmune disorders. Sugar interferes via glycation with the ability of collagen to restore itself, while UV exposure reduces collagen production. Collagen integrity can be preserved by eating well and avoiding sunburns.

The main dietary sources of collagen are the connective tissues of most animal foods. Bone broth is a rich source. There is some debate over the absorption of collagen, however, research is showing that hydrolyzed collagen peptides are well-absorbed and bioavailable.²

Abundant research has demonstrated positive effects of collagen supplementation on skin,³ joint integrity and function,^{4,5} bone health,⁶ gut lining integrity,⁷ and increased muscle mass.⁸

Packed with branched chain amino acids, **Hydrolyzed Collagen Protein** has a higher nitrogen score than whey (above 100) and yields 21 grams per serving. Easy to mix and delicious, **Hydrolyzed Collagen Protein** comes in Chocolate and Vanilla Crème flavors.

- * Amino Acid profile may vary ** Essential Amino Acids
- † Branch Chain Amino Acids

References

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Typical Amino Acid Profile Alanine 1,945 mg Arginine 1,658 mg Aspartic acid 1,326 mg Cystine and Cysteine 22 mg Glutamic acid 2,431 mg Glycine 4,420 mg Histidine* 243 mg Hydroxyproline 2,254 mg Isoleucine**† 376 mg Leucine**1 818 mg Lysine** 840 mg Methionine' 199 mg Phenylalanine* 508 mg Proline 2,652 mg 751 mg Serine Threonine* 464 mg Tryptophan* 80 mg 287 mg Tyrosine Valine** 663 ma



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