Hydrolyzed Casein Peptide

Cat. No. CEFP-026

Lot. No. (See product label)

Introduction

Description

Hydrolyzed casein peptides are bioactive peptides obtained through biotechnological processes, representing a physiologically active peptide substance. They are derived from casein proteins extracted from defatted cow milk and subsequently hydrolyzed using plant-derived digestive enzymes. This process endows hydrolyzed casein peptides with stress-relieving and sleep-promoting effects. As a cutting-edge product in the field of functional proteins, these peptides are widely applied in various dairy products, nutritional supplements, sports functional foods, functional medicinal excipients, and special medical purpose formulas. Their benefits include immune regulation, calcium absorption enhancement, sleep improvement, intestinal absorption regulation, fat metabolism, and substance transport. Stress Relief Benefits of Hydrolyzed Casein Peptides Hydrolyzed casein peptides are highly effective in stress relief, with claimed anti-stress properties. They are effective even for individuals with extreme mental stress. Numerous international human clinical studies, including double-blind, placebo-controlled trials, have confirmed their efficacy. Research indicates that a daily intake of 150 mg can significantly improve major mental stress symptoms, including weight management, sleep problems, mood swings, memory and concentration issues, nervous tension, digestive issues, and body pain. Another double-blind, crossover study showed significant improvements in five areas: digestion, cardiovascular health, intelligence, mood, and social ability. Safety and Efficacy of Hydrolyzed Casein Peptides Unlike many natural anti-stress products whose effects are not scientifically verified, hydrolyzed casein peptides have been extensively studied and tested by experts, proving to be non-toxic and effective in alleviating mental stress symptoms. Their safety has been confirmed by the U.S. FDA (Food and Drug Administration) and the European AFSSA (French Food Safety Agency). These peptides are entirely natural, with no side effects, and are suitable for individuals with lactose intolerance (<0.5% lactose). Additionally, hydrolyzed casein peptides are unlikely to cause allergic reactions, as the primary allergens in milk are larger proteins. Their stable structure ensures they are resistant to spoilage.

Applications

Hydrolyzed casein peptides contain all essential amino acids in proportions consistent with casein, primarily composed of dipeptides and tripeptides that can be directly absorbed without digestion. Their pleasant taste, high solubility, transparent solution, stability in acidic conditions, and ease of formulation into ready-to-drink beverages make them highly promising as a functional ingredient. Sports Products: Can be used to create endurance drinks for during exercise and products for quick recovery post-exercise. Health Peptide Drinks: Promote muscle growth, suitable for obese and overweight individuals, the elderly, women, overweight growing children, and managers. Food Industry: Functional food and beverages. Nutritional Supplements: Dietary supplements. Special Nutrition: Health weight management, sports nutrition, special dietary nutrition for infants.

Product Information

Appearance	Milky white uniform and fine powder
Purity	75%
Stabilizers	Under suitable storage conditions, 12 months from date of manufacture.

Usage and Packaging

Package	5kg/ Drum

Storage and Shipping Information

Storage	Store in cool, dry conditions, protected from mold and humidity;.