Creative Enzymes®

Chitosan oligosaccharide

Cat. No. CEFX-409

Lot. No. (See product label)

Introduction

Description	Chitosan Oligosaccharide is a naturally occurring polysaccharide derived from chitosan with a short sugar chain structure. It is a small molecule polysaccharide obtained by hydrolysis of chitosan, usually consisting of 2 to 10 glucosamine units, with high water solubility and biological activity. Chitosan is a derivative of chitosan, which has been widely studied and applied because of its small molecular structure and unique biological functions.
Applications	Applications in the Food Industry: Chitosan oligosaccharides promote the growth of bifidobacteria in the gut, inhibit harmful bacteria, and enhance immune function. Small molecular weight chitosan oligosaccharides are more effective at scavenging free radicals, and have strong antibacterial properties and water solubility, making them commonly used for food preservation. Foods containing chitosan oligosaccharides help lower cholesterol, strengthen liver function, and play an important role in the prevention and treatment of gout, stomach ulcers, and other conditions. Applications in the Medical Field: Chitosan oligosaccharides enhance immune function and inhibit tumor growth, with broad applications in the development of anti-cancer drugs. Their ointments can treat periodontitis, while medical bandages have hemostatic, disinfecting, and wound-healing properties. Chitosan oligosaccharides can also regulate the body's pH balance, improve chemical equilibrium, and have a beneficial effect in treating burns and scalds. Applications in the Cosmetics Industry: Chitosan oligosaccharides have excellent biocompatibility, biodegradability, adhesiveness, and moisturizing properties, with no toxic or irritating effects on the skin. Their strong moisturizing effect helps prevent water loss from the skin, and they are commonly used in skincare products, shampoos, bath liquids, and other daily cosmetics, providing hydration and beautifying effects.
Synonyms	Chitose Oligosaccharide; GS-Chitooligosaccharide; Oligoglucosamine; Chitosanoligosacchar; Chitosan Oligosaccharide; Chitooligosaccharides

Product Information

Appearance	Light yellow powder solid with characteristic odor, no visible foreign impurities
Purity	90.00%

Usage and Packaging

Package	25kg/drum, or according to customers' requirements

Storage and Shipping Information

Storage	In a cool, dry place away from direct sunlight