

Native *Trichoderma* sp. Mutanase

Cat. No. NATE-1751

Lot. No. (See product label)

Introduction

Description This product is a mutanase preparation derived from *Trichoderma* sp. The enzyme catalyzes the hydrolysis of α -1,3 Glucan(Mutan), which is main substance of dental plaque.

Applications 1.Conventional dental care products(tooth paste, antiseptic mouthwash, etc.) contain Dextranase (α -1,6 Glucanase). So, dextran can be easily decomposed by conventional dental care products. 2.However, mutan, the main structure of dental plaque which is water-insoluble, can not be decomposed by dextranase and remains in the mouth. 3.Mutanase can decompose dental plaque mutan. So, it can be applied to dental care products.

Synonyms endo-1,3- α -glucanase; endo-(1 \rightarrow 3)- α -glucanase; cariogenase; cariogenanase; endo-1,3- α -D-glucanase; 1,3(1,3;1,4)- α -D-glucan 3-glucanohydrolase

Product Information

Source *Trichoderma* sp .

Appearance Yellow-light brown, powder

EC Number EC 3.2.1.59

CAS No. 9075-84-7

Activity > 1,000 unit/g (at 45 °C, pH 5.0.)

pH Stability pH 4.0-6.5

Optimum pH pH 5.0-5.5

Thermal stability stable at 70°C

Optimum temperature 20~45°C

Usage and Packaging

Package 10 L, 20 L LDPE bottle (Liquid); Available in both liquid and powdered forms.

Storage and Shipping Information

Storage store under cool and dry condition