

Transglucosidase

Cat. No. EXTZ-718

Lot. No. (See product label)

Introduction

Description

Transglucosidase, also known as α -glucosidase, has dual functions of hydrolysis and transglycosylation in the catalytic reactions of sugars. The hydrolysis function can cleave the α -1,4-glycosidic bonds at the non-reducing ends of α -glucosides, oligosaccharides, and polysaccharides, releasing glucose. The transglycosylation function can transfer the released glucose residue to another glucose or maltose substrate via an α -1,6-glycosidic bond, thereby producing non-fermentable isomaltulose oligosaccharides.

Product Information

Form Light yellow liquid

Activity 300,000 U/mL

Optimum pH 5.0-6.0

Optimum temperature 50°C -60°C

Unit Definition Under the test conditions of 40°C and pH 5.0, the amount of enzyme required to catalyze the production of 1 μ g of glucose within 60 minutes is defined as one unit of α -glucosidase activity (1U).