

Native Chaetomium gracile Dextranase

Cat. No. NATE-0873

Lot. No. (See product label)

Introduction

Description An endodextranase that hydrolyzes-(1,6)-glucosidic linkages in dextran. Dextran is an undesirable compound synthesized from sucrose by microbial contaminants during sugar production that increases the viscosity of the flow and decreases industrial recovery. Dextranase has been used for hydrolyzing dextran at sugar mills in order to improve the efficiency of sugar production.

Synonyms EC 3.2.1.11, dextran hydrolase; endodextranase; dextranase DL 2; DL 2; endo-dextranase; α -D-1,6-glucan-6-glucanohydrolase; 1,6- α -D-glucan 6-glucanohydrolase; Dextranase

Product Information

Source Chaetomium gracile

Form Liquid

EC Number EC 3.2.1.11

CAS No. 9025-70-1

pH Stability 3.0-8.0

Optimum pH 5.0-7.0 (80% activity at pH 6.5)

Thermal stability 2 - 8°C

Optimum temperature 55-60°C

Unit Definition One unit of saccharifying activity (SU) is defined as the amount of enzyme activity which produces reducing sugar equivalent to 1 μ mole of glucose per minute.