

## Native Thermomicrobia sp. Hesperidinase (Rhamnosidase B)

Cat. No. NATE-0341

Lot. No. (See product label)

### Introduction

**Description** A Thermostable  $\alpha$ -L-rhamnosidase that catalyzes the cleavage of the bond between terminal L (+)-rhamnose and the aglycone of rhamnose-containing glycosides. The enzyme is also very active on naringin. L-Rhamnose or its derivatives is a suitable chiral structural component and can be used for the synthesis of pharmaceutical products, plant protection agents and the preparation of fragrances in the foodstuffs and perfume industries.

**Synonyms** Hesperidinase;  $\alpha$ -L-rhamnosidase T;  $\alpha$ -L-rhamnosidase N;  $\alpha$ -L-rhamnosidase

### Product Information

**Source** Thermomicrobia sp.

**Optimum temperature** The enzyme is relatively active in a rather broad temperature range (45-75°C) with optimum around 65°C

**Specificity** Hydrolysis of terminal non-reducing  $\alpha$ -L-rhamnose residues in  $\alpha$ -L-rhamnosides, Naringin, Hesperidin and Rutin.

**Unit Definition** One unit (U) of enzyme activity is the amount that leads to the release of 1  $\mu$ mol of p-nitro-phenyl- $\alpha$ -L-rhamnopyranoside (pnpR) per minute.