

## Native *Rhizopus niveus* Lipase

Cat. No. NATE-1612

Lot. No. (See product label)

### Introduction

#### Description

Triacylglycerol lipase is an enzyme with system name triacylglycerol acylhydrolase. This enzyme catalyses the following chemical reaction: triacylglycerol + H<sub>2</sub>O ↔ diacylglycerol + a carboxylate.

#### Synonyms

Triacylglycerol acylhydrolase; Triacylglycerol lipase

### Product Information

#### Source

*Rhizopus niveus*

#### Form

Powder (fine)

#### EC Number

EC 3.1.1.3

#### CAS No.

9001-62-1

#### Molecular Weight

~83,000

#### Activity

>1.5 U/mg

#### Optimum pH

5.0-7.0

#### Optimum temperature

30-45°C

#### Unit Definition

1 U corresponds to the amount of enzyme which liberates 1 µmol fatty acid from a triglyceride per minute at pH 7.7 and 40°C (olive oil as substrate)]; 300 U as described above are equivalent to ~1 U using triolein at pH 8.0 and 40°C as substrate.

### Storage and Shipping Information

#### Storage

2-8°C