

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 + H₂O ⇌ 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