

Native Wheat Phytase

Cat. No. NATE-0566

Lot. No. (See product label)

Introduction

Description

Phytase catalyzes the hydrolysis of phytic acid to inositol and free orthophosphate. Wheat phytase can degrade inositol phosphate-6 and 5 at a pH of 4 and 5.

Applications

Phytase has been used in a study to quantify the number of feedstuffs showing significant phytase activity. It has also been used in a study to investigate the effect of adjusting the pH to 5.0 (optimum for wheat phytase) during whole wheat bread making on phytase activity.

Synonyms

myo-inositol-hexakisphosphate 4-phosphohydrolase; 9001-89-2; 6-phytase; phytase; phytate 6-phosphatase; myo-inositol-hexakisphosphate 6-phosphohydrolase; 4-phytase; EC 3.1.3.26

Product Information

Source

Wheat

EC Number

EC 3.1.3.26

CAS No.

9001-89-2

Activity

0.01-0.04 unit/mg solid

Unit Definition

One unit will liberate 1.0 μ mole of inorganic phosphorus from 1.5 mM phytate per min at pH 5.15 at 55°C.

Storage and Shipping Information

Storage

-20°C