Creative Enzymes®

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 μmole of inorganic phosphorus from 1.5 mM phytate per min at pH 5.15 at 55°C.

Storage and Shipping Information

Storage	−20°C