

## 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  $\mu$ 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