

## Native *Aspergillus niger* Nitrate Reductase (NAD[P]H)

Cat. No. NATE-0484

Lot. No. (See product label)

### Introduction

**Description** Nitrate reductase (NAD (P)H) is an enzyme with system name nitrite:NAD (P)+ oxidoreductase. This enzyme catalyses the following chemical reaction: nitrite + NAD (P)+ + H<sub>2</sub>O ⇌ nitrate + NAD (P)H + H<sup>+</sup>. Nitrate reductase is an iron-sulfur molybdenum flavoprotein.

**Synonyms** nitrate reductase [NAD (P)H]; Nitrate reductases; assimilatory nitrate reductase; assimilatory NAD (P)H-nitrate reductase; NAD (P)H bispecific nitrate reductase; nitrate reductase (reduced nicotinamide adenine dinucleotide (phosphate)); nitrate reductase NAD (P)H; NAD (P)H-nitrate reductase; nitrate reductase [NAD (P)H<sub>2</sub>]; NAD (P)H<sub>2</sub>:nitrate oxidoreductase; 9029-27-0; EC 1.7.1.2

### Product Information

**Source** *Aspergillus niger*

**Form** lyophilized powder

**EC Number** EC 1.7.1.2

**CAS No.** 9029-27-0

**Activity** > 300 units/g solid

**Unit Definition** One unit will reduce 1.0 μmole of nitrate per min in the presence of β-NADPH at pH 7.5 at 25°C.

### Storage and Shipping Information

**Storage** -20°C