

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)+ + H₂O ⇌ nitrate + NAD (P)H + H⁺. 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)H₂]; NAD (P)H₂: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