

## β-Nicotinamide-Adenine Dinucleotide, Oxidized Form (NAD)

Cat. No. NATE-0785

Lot. No. (See product label)

### Introduction

**Description** Nicotinamide adenine dinucleotide (NAD) is a coenzyme found in all living cells. The compound is a dinucleotide, because it consists of two nucleotides joined through their phosphate groups. One nucleotide contains an adenine base and the other nicotinamide. Nicotinamide adenine dinucleotide exists in two forms, an oxidized and reduced form abbreviated as NAD<sup>+</sup> and NADH respectively.

**Synonyms** β-DPN; β-NAD; Coenzyme 1; Cozymase; DPN; Diphosphopyridine nucleotide; NAD; Nadide; 53-84-9

### Product Information

**CAS No.** 53-84-9

**Molecular Weight** 663.4 (As anhydrous free acid) 681.4 (as monohydrate)

**Purity** > 95%

**Structure** C<sub>21</sub>H<sub>27</sub>N<sub>7</sub>O<sub>14</sub>P<sub>2</sub>

**Specificity** Water content: < 8% by Karl Fischer

### Storage and Shipping Information

**Storage** Keep tightly stoppered in the dark below 5°C. Moisture will reduce the purity. For prolonged storage, keep below -20°C.