

## **ChemiPURE di-Sodium Hydrogen Phosphate Dihydrate, ≥ 99.5%**

500 gr, 1 kg

**Cat No:** SHP05, SHP10

**Shipping** : Ship at ambient temperature.

**Storage** : Store at room temperature (15–25°C) in a tightly closed container.

### **General Information**

**ChemiPURE** di-Sodium Hydrogen Phosphate Dihydrate ( $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$ ) is a high-purity laboratory reagent (≥99.5%) suitable for research, analytical, biochemical, molecular biology, microbiology, and pharmaceutical laboratory applications. As an important component of phosphate buffer systems, it is widely used for preparing solutions that require stable physiological pH and controlled ionic strength.

Di-sodium hydrogen phosphate dihydrate is commonly used in the preparation of phosphate-buffered saline (PBS), phosphate buffer solutions, enzyme reaction buffers, protein purification buffers, cell culture reagents, and various analytical and biochemical assays. It also serves as an essential buffering agent in molecular biology protocols, helping maintain optimal pH conditions for nucleic acid and protein-based applications.

**ChemiPURE** di-Sodium Hydrogen Phosphate Dihydrate is manufactured under stringent quality control standards to ensure high purity, excellent batch-to-batch consistency, and reliable performance for routine laboratory and research applications.

### **Applications**

- Preparation of PBS (Phosphate-Buffered Saline)
- Preparation of phosphate buffer solutions
- Molecular biology and biochemistry applications
- Enzyme reaction and protein purification buffers
- Cell culture media and physiological buffer systems
- Microbiological media preparation
- Analytical chemistry and quality control laboratories
- General laboratory and pharmaceutical research applications

This product is sold for laboratory research use only.

CAS Number: 10028-24-7

Purity: ≥99.5%

Molecular Weight: 177.99

Molecular Formula:  $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$

Appearance: White crystalline powder