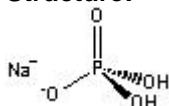


## TECHNICAL INFORMATION

Catalog Number: 191442, 194740, 194850, 195500

### Sodium Phosphate Monobasic

**Structure:**



**Molecular Formula:**

**Anhydrous**

NaH<sub>2</sub>PO<sub>4</sub>

**Monohydrate**

NaH<sub>2</sub>PO<sub>4</sub>·H<sub>2</sub>O

**Molecular Weight:**

120

137.99

**CAS #**

7558-80-7

10049-21-5

**Synonyms:** Sodium dihydrogen phosphate; Monosodium phosphate; Sodium biphosphate; Acid sodium phosphate; Monosodium orthophosphate; Primary sodium phosphate

**Physical Description:** White crystalline powder

**Solubility:** Freely soluble in water; insoluble in ethanol. pH of a 0.1 M aqueous solution is approximately 4.5.

**pKa** (for phosphoric acid) @ 25°C:

pKa<sub>1</sub> = 2.15

pKa<sub>2</sub> = 6.82

pKa<sub>3</sub> = 12.38

**Availability:**

Catalog Number	Description	Size
194740	Sodium Phosphate Monobasic, Anhydrous, cell culture reagent	100 g 500 g 1 kg
195500	Sodium Phosphate Monobasic, Anhydrous	100 g 500 g 1 kg 3 kg
194850	Sodium Phosphate Monobasic, Anhydrous, molecular biology reagent	250 g 500 g 1 kg
191442	Sodium Phosphate Monobasic, Monohydrate, ACS Reagent Grade	100 g 500 g 1 kg 5 kg

**Reference:**

– Merck Index, 12th Ed., No 8806.