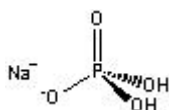


## TECHNICAL INFORMATION

Catalog Number: 191442, 194740, 194850, 195500

### Sodium Phosphate Monobasic

#### Structure:



<b>Molecular Formula:</b>	<b>Anhydrous</b> NaH <sub>2</sub> PO <sub>4</sub>	<b>Monohydrate</b> NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O
<b>Molecular Weight:</b>	120	137.99
<b>CAS #</b>	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:

