1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{Na}_2\text{HPO}_4 \)
   Batch Molecular Weight: 141.96
   Physical Appearance: White solid
   Solubility: water to 300 mM
   Storage: Store at RT
   Batch Molecular Structure: \( \text{Na}_2\text{HPO}_4 \)

2. ANALYTICAL DATA

   Assay (titration): 99.4%
   pH (5% water at 25°C): 9.3
   Heavy metals (as Pb): 0.00004%
   Iron: <0.002%
   Chloride: <0.002%
   Sulfate: <0.005%

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Description:
Commonly used in biological assay buffers.

Physical and Chemical Properties:
Batch Molecular Formula: Na₂HPO₄
Batch Molecular Weight: 141.96
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:
Na₂HPO₄

Storage: Store at RT

Solubility & Usage Info:
water to 300 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.