

Certificate of Analysis

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Product Name: Sodium phosphate monobasic

Catalog No.: 5226

Batch No.: 2

CAS Number: 7558-80-7

EC Number: 231-449-2

IUPAC Name: Sodium dihydrogen phosphate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: NaH₂PO₄.
Batch Molecular Weight: 119.98
Physical Appearance: White solid
Solubility: water to 800 mM
Storage: Store at RT
Batch Molecular Structure: NaH₂PO₄

2. ANALYTICAL DATA

Assay (titration): 100.5%
pH (5% soln): 4.2
Insoluble substances: 0.0%
Water: 1.07%
Chloride: <0.014%
Sulfate: <0.15%
Arsenic: <0.18ppm
Heavy metals: 0.0001%

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

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Catalog No.: 5226

Batch No.: 2

CAS Number: 7558-80-7

EC Number: 231-449-2

IUPAC Name: Sodium dihydrogen phosphate

Description:

Commonly used in biological assay buffers.

Physical and Chemical Properties:

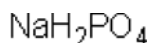
Batch Molecular Formula: NaH₂PO₄.

Batch Molecular Weight: 119.98

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 800 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.

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