

Certificate of Analysis

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Product Name: Sodium phosphate dibasic

Catalog No.: 3153

Batch No.: 4

CAS Number: 7558-79-4

EC Number: 231-448-7

IUPAC Name: Disodium hydrogen phosphate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: Na₂HPO₄
Batch Molecular Weight: 141.96
Physical Appearance: White crystals
Solubility: water to 300 mM
Storage: Store at RT
Batch Molecular Structure: Na₂HPO₄

2. ANALYTICAL DATA

Assay: 100.0%
pH (5% solution): 9.0

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

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Product Information

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Product Name: Sodium phosphate dibasic

Catalog No.: 3153

Batch No.: 4

CAS Number: 7558-79-4

EC Number: 231-448-7

IUPAC Name: Disodium hydrogen phosphate

Description:

Commonly used in biological assay buffers.

Physical and Chemical Properties:

Batch Molecular Formula: Na₂HPO₄

Batch Molecular Weight: 141.96

Physical Appearance: White crystals

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.

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