

Certificate of Analysis

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Product Name: Sodium phosphate dibasic

Catalog No.: 3153


Batch No.: 3

CAS Number: 7558-79-4

EC Number: 231-448-7

IUPAC Name: Disodium hydrogen phosphate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	Na ₂ HPO ₄
Batch Molecular Weight:	141.96
Physical Appearance:	White solid
Solubility:	water to 300 mM
Storage:	Store at RT
Batch Molecular Structure:	

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Information

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Catalog No.: 3153

Batch No.: 3

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:

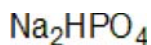
Batch Molecular Formula: Na₂HPO₄

Batch Molecular Weight: 141.96

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



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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