

## Certificate of Analysis

[www.tocris.com](http://www.tocris.com)

**Product Name:** Potassium phosphate monobasic

**Catalog No.:** 3150

**Batch No.:** 5

CAS Number: 7778-77-0

EC Number: 231-913-4

IUPAC Name: Potassium dihydrogen phosphate

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:**  $\text{KH}_2\text{PO}_4$   
**Batch Molecular Weight:** 136.09  
**Physical Appearance:** White solid  
**Solubility:** water to 300 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**  $\text{KH}_2\text{PO}_4$

### 2. ANALYTICAL DATA

**Assay (titration):** 99.4%  
**pH:** 4.4  
**Heavy metals:** <10ppm

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.:** 3150

**Batch No.:** 5

CAS Number: 7778-77-0

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IUPAC Name: Potassium dihydrogen phosphate

**Description:**

Commonly used in biological assay buffers.

**Physical and Chemical Properties:**

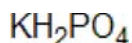
Batch Molecular Formula:  $\text{KH}_2\text{PO}_4$

Batch Molecular Weight: 136.09

Physical Appearance: White solid

**Minimum Purity:** >98%

**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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