64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:

Potassium phosphate monobasic buffer substance, anhydrous, Pur*Sure* puriss. p.a., ACS, ISO, reag. Ph. Eur., 99.5-100.5%

Product No.:	PSR50180
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	7778-77-0
Molecular Formula:	KH_2PO_4
Molecular Weight:	136.09 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	White Powder or Crystals	White Powder
Assay (By Titration) (on Dried Basis)	99.5 - 100.5 %	99.99 %
Insoluble Matter	NMT 0.01 %	0.001 %
Solubility (0.5g in 10ml H_2O)	Colorless Clear Solution	Colorless Clear Solution
pH (0.5g in 10ml H_2O)	4.1 - 4.5	4.2
Loss on Drying	NMT 0.2 %	0.01 %
Arsenic (As)	NMT 0.5 ppm	<0.5 ppm
Cadmium (Cd)	NMT 0.0005 %	<0.0005 %
Calcium (Ca)	NMT 0.001 %	<0.001 %
Chloride (Cl)	NMT 5 ppm	<5 ppm
Chromium (Cr)	NMT 0.0015 %	<0.0015 %
Cobalt (Co)	NMT 0.0005 %	<0.0005 %
Copper (Cu)	NMT 0.0005 %	<0.0005 %
Heavy Metals (as Lead)	NMT 10 ppm	<10 ppm
Iron (Fe)	NMT 0.001 %	<0.001 %
Lead (Pb)	NMT 0.0005 %	<0.0005 %
Magnesium (Mg)	NMT 0.0005 %	<0.0005 %
Manganese (Mn)	NMT 0.0005 %	<0.0005 %
Nickel (Ni)	NMT 0.0005 %	<0.0005 %
Sodium (Na)	NMT 0.005 %	<0.005 %
Sulfate (SO_4)	NMT 30 ppm	<30 ppm
Zinc (Zn)	NMT 0.0005 %	<0.0005 %
Total Nitrogen	NMT 10 ppm	<10 ppm
Meets ACS Requirements	Conforms	Conforms

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

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Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a temperature room and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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