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PureSynth®
Research Chemicals

Product Specification

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
Brand:	PureSynth
CAS No.:	7778-77-0
Molecular Formula:	KH_2PO_4
Molecular Weight:	136.09 g/mol

KH_2PO_4

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

Specification No.: PS-1.0-QA/004

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com