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PureSynth®
Research Chemicals

Product Specification

Product Name:
Ortho phosphoric acid Pur*Chrom* for HPLC, ≥85.0% (Low trace-metal content)

Product No.:	PSR50840
Brand:	PureSynth
CAS No.:	7664-38-2
Molecular Formula:	H_3PO_4
Molecular Weight:	98.0 g/mol



Test	Specification
Appearance	Colorless liquid
Assay	≥ 85.0 %
Color (APHA)	NMT 10.0
Antimony (Sb)	NMT 0.001 %
Arsenic (As)	NMT 0.00005 %
Cadmium (Cd)	NMT 0.0001 %
Calcium (Ca)	NMT 0.005 %
Chloride (Cl)	NMT 0.0002 %
Cobalt (Co)	NMT 0.0001 %
Copper (Cu)	NMT 0.0001 %
Fluoride (F)	NMT 0.0001 %
Heavy metals (Pb)	NMT 0.0005 %
Iron (Fe)	NMT 0.005 %
Lead (Pb)	NMT 0.0001 %
Magnesium (Mg)	NMT 0.005 %
Manganese (Mn)	NMT 0.00005 %
Nickel (Ni)	NMT 0.0001 %
Nitrate (NO_3)	NMT 0.0003 %
Phosphorous acid (H_3PO_3)	NMT 0.002 %
Potassium (K)	NMT 0.0005 %
Reducing substances	NMT 0.001 %
Silicate (SiO_2)	NMT 0.025 %
Sodium (Na)	NMT 0.1 %
Sulfate (SO_4)	NMT 0.003 %
Zinc (Zn)	NMT 0.0002 %
Absorbance at 210 nm	NMT 0.05
Absorbance at 220 nm	NMT 0.04
Absorbance at 230 nm	NMT 0.03
Absorbance at 240 nm	NMT 0.02
Absorbance at 500 nm	NMT 0.02

Specification No.: PCH-1.0-QA/41

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