Shop no FB - 121, Lake city mall B, Kapurbawdi Junction,
Majiwada, Thane, Maharashtra, 400607
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

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

Product No.:	PSR50840
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	7664-38-2
Molecular Formula:	H_3PO_4
Molecular Weight:	98.0 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay	≥ 85.0 %	86.07 %
Color (APHA)	NMT 10.0	< 10.0
Antimony (Sb)	NMT 0.001 %	< 0.001 %
Arsenic (As)	NMT 0.00005 %	< 0.00005 %
Cadmium (Cd)	NMT 0.0001 %	< 0.0001 %
Calcium (Ca)	NMT 0.005 %	< 0.005 %
Chloride (Cl)	NMT 0.0002 %	< 0.0002 %
Cobalt (Co)	NMT 0.0001 %	< 0.0001 %
Copper (Cu)	NMT 0.0001 %	< 0.0001 %
Fluoride (F)	NMT 0.0001 %	< 0.0001 %
Heavy metals (Pb)	NMT 0.0005 %	< 0.0005 %
Iron (Fe)	NMT 0.005 %	< 0.005 %
Lead (Pb)	NMT 0.0001 %	< 0.0001 %
Magnesium (Mg)	NMT 0.005 %	< 0.005 %
Manganese (Mn)	NMT 0.00005 %	< 0.00005 %
Nickel (Ni)	NMT 0.0001 %	< 0.0001 %
Nitrate (NO_3)	NMT 0.0003 %	< 0.0003 %
Phosphorous acid (H_3PO_3)	NMT 0.002 %	< 0.002 %
Potassium (K)	NMT 0.0005 %	< 0.0005 %
Reducing substances	NMT 0.001 %	< 0.001 %
Silicate (SiO_2)	NMT 0.025 %	< 0.025 %
Sodium (Na)	NMT 0.1 %	< 0.1 %
Sulfate (SO_4)	NMT 0.003 %	< 0.003 %
Zinc (Zn)	NMT 0.0002 %	< 0.0002 %

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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Absorbance at 210 nm	NMT 0.05	< 0.05
Absorbance at 220 nm	NMT 0.04	< 0.04
Absorbance at 230 nm	NMT 0.03	< 0.03
Absorbance at 240 nm	NMT 0.02	< 0.02
Absorbance at 500 nm	NMT 0.02	< 0.02

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 room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

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

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