

## Product Specification

Product Name:

**Phosphoric acid PurSure, ACS, ISO, Reag. Ph. Eur., ≥85%**

Product No.: PSR49957  
Brand: PureSynth  
CAS No.: 7664-38-2  
Molecular Formula: H<sub>3</sub>PO<sub>4</sub>  
Molecular Weight: 98.00 g/mol



Test	Specification
Appearance	Colorless Liquid
Assay	≥ 85.0 %
Color (APHA)	NMT 10
Insoluble Matter	NMT 0.001 %
Solubility	Complying
Residual Solvents	Complying
Volatile Acids (CH <sub>3</sub> COOH)	NMT 0.001 %
Reducing Substances	NMT 0.001 %
Heavy metals (as Pb)	NMT 0.001 %
Arsenic (As)	NMT 0.5 ppm
Calcium (Ca)	NMT 0.001 %
Cadmium (Cd)	NMT 0.0001 %
Cobalt (Co)	NMT 0.0001 %
Chromium (Cr)	NMT 0.0001 %
Copper (Cu)	NMT 0.0001 %
Iron (Fe)	NMT 0.0005 %
Potassium (K)	NMT 0.0005 %
Magnesium (Mg)	NMT 0.0005 %
Manganese (Mn)	NMT 0.5 ppm
Sodium (Na)	NMT 0.002 %
Nickel (Ni)	NMT 0.0001 %
Lead (Pb)	NMT 0.0001 %
Antimony (Sb)	NMT 0.0002 %
Zinc (Zn)	NMT 0.0002 %
Chloride (Cl)	NMT 0.0002 %
Nitrate (NO <sub>3</sub> )	NMT 0.0003 %
Sulfate (SO <sub>4</sub> )	NMT 0.003 %
Subst. Precipitated by NH <sub>3</sub>	Complying
Fluoride	NMT 0.0001 %

Specification: PS-1.0-QA/012

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For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)