

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

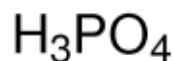
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Phosphoric acid – ACS reagent, ≥85 wt. % in H₂O

Product Number: 438081
CAS Number: 7664-38-2
MDL: MFCD00011340
Formula: H₃O₄P
Formula Weight: 98.00 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Titration with NaOH	≥ 85.0 %
Color Test	≤ 10 APHA
Insoluble matter	≤ 0.001 %
Arsenic (As)	≤ 1 ppm
Chloride (Cl)	≤ 3 ppm
Iron (Fe)	≤ 0.003 %
Heavy Metal (as Lead)	≤ 0.001 %
Potassium (K)	≤ 0.005 %
Calcium (Ca)	≤ 0.002 %
Magnesium (Mg)	≤ 0.002 %
Manganese (Mn)	≤ 0.5 ppm
Sodium (Na)	≤ 0.025 %
Nitrate (NO ₃)	≤ 5 ppm
Reducing Substances	Pass
Antimony (Sb)	≤ 0.002 %
Sulfate	≤ 0.003 %
Volatile Acids	< 0.001 %
Meets ACS Requirements	Current ACS Specification
Recommended Retest Period 3 Years	-----

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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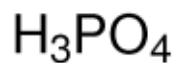
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**TEST****Specification**

Specification: PRD.3.ZQ5.10000008886

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