

## Product Specification

Product Name:  
Phosphoric acid - puriss. p.a., crystallized, ≥99.0% (T)

**Product Number:** 79622  
**CAS Number:** 7664-38-2  
**Formula:** H<sub>3</sub>O<sub>4</sub>P  
**Formula Weight:** 98,00 g/mol



TEST	Specification
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Appearance (Colour)	Colorless or White
Appearance (Form)	Powder or Crystals
Titration with NaOH	99.0 - 101.0 %
Melting Point	38 - 42 °C
Metal Trace Analysis (ICP)	Corresponds to Requirements
Arsenic (As)	≤ 1 mg/kg
Calcium (Ca)	≤ 10 mg/kg
Cadmium (Cd)	≤ 1 mg/kg
Cobalt (Co)	≤ 1 mg/kg
Chromium (Cr)	≤ 1 mg/kg
Copper (Cu)	≤ 1 mg/kg
Iron (Fe)	≤ 10 mg/kg
Potassium (K)	≤ 5 mg/kg
Magnesium (Mg)	≤ 1 mg/kg
Manganese (Mn)	≤ 1 mg/kg
Sodium (Na)	≤ 50 mg/kg
Nickel (Ni)	≤ 1 mg/kg
Lead (Pb)	≤ 1 mg/kg
Zinc (Zn)	≤ 1 mg/kg
Chloride (Cl)	≤ 5 mg/kg
Nitrate (NO <sub>3</sub> )	≤ 5 mg/kg
Sulfate (SO <sub>4</sub> )	≤ 30 mg/kg
Various Guarantee Label Test	≤ 500 mg/kg
Hypophosphite (as H <sub>3</sub> PO <sub>3</sub> )	

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](http://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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H3O4P

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Various Guarantee Label Trace KMNO4-red. matter (as O)	≤ 20 mg/kg
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Specification: PRE.0.ZQ5.10000021208

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