

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 85 wt. % (solution in water), ACS reagent

Product Number:

695017

H₃PO₄

CAS Number:

7664-38-2

MDL:

MFCD00011340

Formula:

H3O4P

Formula Weight:

98.00 g/mol

TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Titration by NaOH (% H ₃ PO ₄)	≥ 85.0 %
Insoluble matter C = 10%, H ₂ O	≤ 0.001 %
Color Test	≤ 10 APHA
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	≤ 0.5 ppm
Sodium (Na)	≤ 0.025 %

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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TEST	Specification
Nitrate (ppm)	≤5 ppm
Reducing Substances	Pass
Antimony	≤0.002 %
Sulfate	≤0.003 %
Volatile Acids	≤0.001 %
Meets ACS Tenth Edition	Current ACS Specification
Recommended Retest Period 3 Years	-----

Remarks:

Specification Date : 06/21/2010

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