



**PRODUCT SPECIFICATION SHEET
PHOSPHORIC ACID**

ACS, USP/NF, FCC GRADE

Catalog # / Product Code: 286000ACS 286000FCC 286USP/NF

Available in 55 gallon New Poly Drum

Test	Monograph	Specification	Typical Lot Analysis
Assay (H ₃ PO ₄) wt%	ACS USP/NF FCC	85% min. 85.0-88.0% To Pass Test	85.8% 85.8% Pass
Antimony (Sb)	ACS	0.002% Max.	< 0.002%
Color, APHA	ACS	10 Max.	< 10
Calcium (Ca)	ACS	0.002% Max	< 0.002%
Chloride (Cl)	ACS	3 ppm Max.	< 3 ppm
Nitrate (NO ₃)	ACS, USP/NF	5 ppm Max. To Pass Test	< 5 ppm Pass
Sulfate (SO ₄)	ACS USP/NF	0.003% Max. To Pass Test	< 0.003% Pass
Volatile Acids (as CH ₃ COOH)	ACS	0.001% Max.	< 0.001%
Arsenic (As)	ACS USP/NF FCC	1 ppm Max. 3 ppm Max. 3 ppm Max.	<1 ppm <1 ppm <1 ppm
Heavy Metals (as Pb)	ACS USP/NF FCC	0.001% Max. 0.001% Max 5 ppm Max.	< 0.001% < 0.001% < 5 ppm
Iron (Fe)	ACS	0.003% Max.	< 0.003%
Manganese (Mn)	ACS	0.5 ppm Max.	<0.5 ppm
Potassium (K)	ACS	0.005% Max.	< 0.005%
Sodium (Na)	ACS	0.025% Max.	< 0.025%
Reducing Substances	ACS	To Pass Test	Pass
Magnesium	ACS	0.002% Max.	< 0.002%
Insoluble Matter	ACS	0.001% Max.	<0.001%
Identification	USP/NF FCC	To Pass Test To Pass Test	Pass Pass
Phosphoric Acid	USP/NF	To Pass Test	Pass
Alkali Phosphates	USP/NF	To Pass Test	Pass
Hypophosphorous Acid	USP/NF	To Pass Test	Pass
Fluoride	FCC	10 ppm Max.	Pass

Approved by: Paul DiMarco, Vice President Quality Management


FOR INDUSTRIAL OR LAB USE ONLY. Not intended as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. The expiration date of this product is three years from the date of manufacture. (Rev. # Disclaimer only: Rev 2.0 11/19/01 PJM)


This document has been electronically generated and is therefore not signed. A signed copy can be obtained from Pharmco's Quality Control office.

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 Web Site: www.pharmco-prod.com


Shipping Name:
Phosphoric Acid
Hazard Class: 8 UN 1805
PG: III
Phosphoric Acid CAS 7664-38-2
Made in USA

LOT NO: _____





32 Vale Road Brookfield, Connecticut 06804 USA
Tel: (203) 740-3471 Fax: (203) 740-3481



CORROSIVE

CHEMTREC NO. 1-800-424-9300

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CATALOG NO:
286000ACS
286000NF
286000FCC

PHOSPHORIC ACID

ACS, USP/NF, FCC Grade

55 Gallons (750 Lbs/ Net.)

Product Specifications	Limits
Acetic (H2PO4) w/ (ACS)	80% min.
Acetic (H2PO4) w/ (USP/NF)	85.0-88.0% min. To Pass Test
Acetic (H2PO4) w/ (FCC)	To Pass Test
Antimony (Sb) (ACS)	0.002% max.
Calc APMA (ACS)	10 max.
Calcium (Ca) (ACS)	0.002% max.
Chloride (Cl) (ACS)	5 ppm max.
Chloride (Cl) (ACS)	5 ppm max.
Nitrate (NO3) (ACS)	To Pass Test
Nitrate (NO3) (USP/NF)	To Pass Test
Sulfate (SO4) (ACS)	0.002% max.
Sulfate (SO4) (USP/NF)	To Pass Test
Volatile Acids (as acetic acid) (ACS)	0.001% max.
Arsenic (As) (ACS)	1 ppm max.
Arsenic (As) (USP/NF)	3 ppm max.
Arsenic (As) (FCC)	3 ppm max.
Heavy Metals (as Pb) (ACS)	0.001% max.
Heavy Metals (as Pb) (USP/NF)	0.001% max.
Heavy Metals (as Pb) (FCC)	1ppm
Iron (Fe) (ACS)	0.002% max.
Manganese (Mn) (ACS)	0.5 ppm max.
Potassium (K) (ACS)	0.002% max.
Selenium (Se) (ACS)	0.002% max.
Reducing Substances (ACS)	To Pass Test
Magnesium (Mg) (ACS)	0.001% max.
Invisible Matter (ACS)	0.001% max.
Identification (USP/NF)	To Pass Test
Identification (FCC)	To Pass Test
Phosphoric Acid (USP/NF)	To Pass Test
Alkali Phosphates (USP/NF)	To Pass Test
Hydrophosphorous Acid (USP/NF)	To Pass Test
Fluoride (FCC)	10ppm max.

DANGER: CORROSIVE CHEMICAL & VAPOR. Improper Exposure Can Result in Severe Injury or Death! Immediate damage to body upon contact! Wear all recommended protective equipment. Refer to MSDS for additional information.

STORAGE AND HANDLING: Keep in a cool, dry place. Do not expose to direct sunlight. Use only with proper personal protective equipment and ventilation. Refer to MSDS for additional information.

FIRST AID: SEEK IMMEDIATE MEDICAL ATTENTION. REFER TO MSDS FOR APPROPRIATE FIRST AID FOR THIS CHEMICAL.

REFER TO MSDS PRIOR TO USE. Use Only Under Appropriate Conditions. Use Only Under Trained Supervision.

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