

PRODUCT IDENTIFICATION



Product Name: Phosphoric Acid 30% ACS Grade

CAS Number: 7664-38-2

Molecular Formula: $\text{H}_3\text{O}_4\text{P}$

Molecular Weight: 97.995 g/mol

Grade: ACS Grade

Purity / Concentration: Not Available

Synonyms: Not Available

PRODUCT OVERVIEW

Phosphoric Acid 30% ACS Grade is a high-purity chemical solution designed for rigorous laboratory and industrial applications. With a specific gravity of approximately 1.18, this reagent-grade acid meets the strict quality standards required for analytical testing and controlled manufacturing processes.

Grade Significance: ACS Grade signifies that the product meets the high purity standards set by the American Chemical Society, ensuring reliability and consistency for critical laboratory and analytical work.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity	~1.18	Molecular Formula	$\text{H}_3\text{O}_4\text{P}$
Molecular Weight	97.995 g/mol		

APPLICATIONS

- Laboratory Research** — Utilized as a high-purity reagent for precise pH adjustment and analytical chemistry procedures.
- Metal Finishing** — Used in the surface treatment of metals to remove rust and prepare surfaces for protective coatings.
- Water Treatment** — Applied to control corrosion and prevent mineral scale buildup in municipal and industrial water systems.
- Food Processing** — Acts as an acidulant and cleaning agent for equipment sanitation in food production facilities.
- Electronics Manufacturing** — Employed in the etching and cleaning of silicon wafers and other electronic components.

STORAGE & HANDLING

Proper storage is critical because this acid is corrosive to metals and can cause severe skin burns or eye damage upon contact. Containers should be kept in a cool, well-ventilated area away from incompatible substances to prevent hazardous reactions and container degradation.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **Danger**



Hazard Statements:

- H290: May be corrosive to metals
- H314: Causes severe skin burns and eye damage

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

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