

SPECIFICATION

Product Name: Phosphoric Acid Food Grade (Vietnam)
Chemical Formula: H_3PO_4
CAS Number: 7664-38-2
Molecular Weight: 97.99 g/mol
Appearance: Clear solution colorless.
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Content of H_3PO_4	%	85.13%	Min. 85%
Content of Chloride	%	0.00017%	Max. 0.0005%
Content of Sulphate	%	0.0006%	Max. 0.002%
Content of Iron	%	0.0003%	Max. 0.0005%
Content of heavy Metal (as Pb)	%	0.0001%	Max. 0.0001%
Content of Arsenic	%	0.000016%	Max. 0.0001%
Content of Fluoride	%	0.0004%	Max. 0.001%
Content of Cadmium	%	0.000015%	Max. 0.0003%
Content of Nitrates	mg/kg	4.6 mg/kg	5 mg/kg max
Volatile acids (as Acetic acid)	mg/kg	7.9 mg/kg	Max. 10 mg/kg

Physical Properties

- Solubility: Completely miscible in water. Soluble in alcohol.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed in original corrosion-resistant packaging. Protect from direct sunlight, heat, and moisture. Recommended storage temperature: below 30°C. Keep away from alkalis, metals, and strong oxidizing agents.

Applications

- Use: Used as an acidulant and pH control agent in soft drinks, processed foods, jams, and flavored beverages. Provides tartness and flavor enhancement. Used in sugar refining and dairy product processing. Used in food-safe cleaning and descaling formulations. Source of phosphorus in food and beverage formulations.
- Dosage: Depends on desired pH and acidity, Product formulation, Regulatory standards, Processing conditions and taste profile.

Packaging

- Standard Packing: 35 Liter Plastic Can or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.