

Phosphoric Acid

Industrial acid

Product Description

Phosphoric Acid is an industrial acid used in fertilizer production, metal treatment, food acidulation and pharmaceutical manufacturing. Available in food and industrial grades.

Certificate of Analysis

HSN Code: 2809.20

CAS Number: 7664-38-2

Classification: Hazardous – Corrosive Liquid

Parameter	Specification	Test Method
Appearance	Clear colorless to slightly yellow syrupy liquid	Visual
A s s a y (H f P O „)	"e 8 5 . 0 %	Acid-Base Titration
Chloride (Cl)	"d 5 p p m	Ion Chromatography
S u l p h a t e (S O „)	"d 1 5 p p m	Turbidimetry
Iron (Fe)	"d 1 0 p p m	AAS
Arsenic (As)	"d 1 p p m	Hydride AAS
Heavy Metals (as Pb)	"d 1 0 p p m	ICP-MS
Color (APHA)	"d 2 0	Hazen scale

Physical Properties

Appearance: Clear colorless to slightly yellow syrupy liquid

Odor: Odorless

M o l e c u l a r F o r m u l a : H f P O „

Molecular Weight: 98.00 g/mol

Solubility: Miscible with water in all proportions

Density: 1.685 g/cm³ (100%); ~1.69 g/cm³ for 85%

Boiling Point: 158°C (85% solution)

Packing: 35 kg / 60 kg HDPE jerry cans; 250 kg HDPE drums; IBC 1000 L; ISO tank for bulk

Storage: Store in cool, dry, well-ventilated area in HDPE or SS containers. Keep away from bases and reducing agents.

Safety & Handling

PPE: Chemical-resistant gloves, face shield, acid-resistant apron, safety boots

Hazards:

- Corrosive to skin, eyes, and respiratory tract
- Reacts with metals to release hydrogen gas