Phosphoric Acid

HPO | 85% technical and food grade; MGA 52–54% PO

PRODUCT OVERVIEW

Phosphoric acid for metal treatment, fertilizers, detergents, water treatment and food. A corrosive acid: wear acid-resistant PPE and store in polyethylene, rubber-lined or stainless steel containers.

TYPICAL SPECIFICATION

Characteristic	Units	Typical value	Test method
HPO content (85% grades)	-	**85.0% min**	Acid-base titration
Density at 25 °C (85%)	-	**About 1.685–1.69 g/cm³**	Hydrometer / densimeter
Iron (Fe), technical	-	**0.002–0.005% max**	ICP / colorimetric
Sulphate (SO), technical	-	**0.005–0.01% max**	Turbidimetric
Arsenic (As), food grade	-	**3 mg/kg max (1 mg/kg in the EU)**	AAS / ICP
Fluoride (F), food grade	-	**10 mg/kg max**	Ion-selective electrode
MGA strength	-	**52–54% PO**	Gravimetric / titration
Appearance	-	**85%: clear, colourless, syrupy · MGA: dark green to brown**	Visual

SUPPLY AND PACKING

Polyethylene drums, IBCs and rubber-lined or stainless steel ISO tanks; bulk for MGA. Shipped as class 8 dangerous goods (UN 1805, PG III). FOB, CFR and CIF on request; pack sizes and loads are confirmed with each offer.

DOCUMENTATION

Every shipment includes a Certificate of Analysis. Certificate of Origin and MSDS are available on request. Destination-specific import or phytosanitary documentation is confirmed where applicable.

NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.