

# Haifa Food Phosphates

## Hi-Grade Phosphoric Acid

Phosphoric acid 75%, 80%, 85%, Food grade

EEC classification: E 338

Appearance: Clear colorless viscous liquid

Analyte	Typical	Specification Limits
Assay (as H <sub>3</sub> PO <sub>4</sub> ), % (w/w)	75.5	75-76
	80.5	80-81
	85.5	85-86
Arsenic (As), ppm	<1	2 max
Fluoride (F), ppm	<10	10 max
Heavy Metals, ppm	<10	10 max
Lead (Pb), ppm	<1	1.0 max
Cadmium (Cd), ppm	<1	1.0 max
Mercury (Hg), ppm	<0.5	0.5 max

Shelf life: 5 years tightly closed container at temperature above product freezing point (see typical properties below)

Packaging: 30, 50, 100 or 370 Kg net, HDPE drums.

Main usage: Food processing- acidifier, sequestrant, synergist for antioxidant  
Pharmacopoeia- processed aid, dental cement  
Drinking water treatment.

Typical properties:

	75	80	85
Concentration of H <sub>3</sub> PO <sub>4</sub> , % (w/w)	75	80	85
P <sub>2</sub> O <sub>5</sub> content, % (w/w)	54.32	57.94	61.56
Freezing point*, °C	-20	0	21
Density, g/ml (25°)	1.573	1.628	1.685
Weight of acid, containing 1 MT of P <sub>2</sub> O <sub>5</sub> , tons	1.841	1.726	1.625
Volume of acid, containing 1 MT of P <sub>2</sub> O <sub>5</sub> (25°), m <sup>3</sup>	1.171	1.061	0.964

\*Usually the real freezing point is lower because of super-cooling without crystallizing.

### Kosher and Halal product

Phosphoric acid complies with the requirements of the current US Food Chemicals Codex, FAO/WHO report.

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