

## Phosphoric Acid Technical Grade 75% - 85% H<sub>3</sub>PO<sub>4</sub>

**SPECIFICATIONS**

Component	Units	75%	80%	85%
H <sub>3</sub> PO <sub>4</sub>	wt. %	75.0 - 75.5	80.0 - 80.5	85.0 - 85.5
Chlorides (maximum)	ppm Cl	10	10	10
Color (maximum)	APHA Units	10	10	10
Iron (maximum)	ppm Fe	10	10	10
Sulfate (maximum)	ppm SO <sub>4</sub>	250	250	250
Specific Gravity (@ 25/15.5°C)		1.574 - 1.580	1.629 - 1.635	1.686 - 1.692

**TYPICAL PHYSICAL PROPERTIES**

Component	Units	75%	80%	85%
Appearance	Visual	Water-white, colorless, odorless		
Density	lbs/US gal	13.1	13.6	14.1
Melting Point (approx.)	°F (°C)	0 (-18)	41 (5)	70 (21)
Specific Heat	cal/g·°C	0.542	0.518	0.493
Viscosity (@ 25°C)	cP	21.5	29.0	43.5

**TYPICAL TRACE ELEMENTS**

Component	Units	Typical	Component	Units	Typical
Aluminum	ppm Al	< 10	Manganese	ppm Mn	< 1
Arsenic	ppm As	< 3	Nickel	ppm Ni	< 1
Cadmium	ppm Cd	< 3	Potassium	ppm K	< 8
Calcium	ppm Ca	< 65	Silicon	ppm Si	< 8
Chromium	ppm Cr	< 1	Sodium	ppm Na	< 200
Copper	ppm Cu	< 1	Titanium	ppm Ti	< 8
Fluoride	ppm F	< 10	Vanadium	ppm V	< 1
Lead	ppm Pb	< 1	Zinc	ppm Zn	< 1
Magnesium	ppm Mg	< 15			

**Refer to a Safety Data Sheet for more information**

Typical results are derived from regular analysis of product storage tank contents. Grab samples or individual shipment samples may fall outside of the typical range.

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**The manufacturing representative for this product is the following subsidiary of Nutrien Ltd.:**

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