

Phosphoric Acid
Technical Grade, Low Sulfate
75% - 85% H₃PO₄

SPECIFICATIONS

Component	Units	75%	80%	85%
H ₃ PO ₄	wt. %	75.0 - 75.5	80.0 - 80.5	85.0 - 85.5
Chloride (maximum)	ppm Cl	10	10	10
Color (maximum)	APHA Units	10	10	10
Iron (maximum)	ppm Fe	10	10	10
Sulfate (maximum)	ppm SO ₄	100	100	100
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	lb/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	< 5	Manganese	ppm Mn	< 1
Arsenic	ppm As	< 1	Nickel	ppm Ni	< 1
Cadmium	ppm Cd	< 1	Potassium	ppm K	< 8
Calcium	ppm Ca	< 60	Silicon	ppm Si	< 5
Chromium	ppm Cr	< 1	Sodium	ppm Na	< 100
Copper	ppm Cu	< 1	Titanium	ppm Ti	< 5
Fluoride	ppm F	< 10	Vanadium	ppm V	< 1
Lead	ppm Pb	< 1	Zinc	ppm Zn	< 1
Magnesium	ppm Mg	< 20			

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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Product is manufactured by the following subsidiary of Nutrien Ltd.:

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