

Phosphoric Acid Food Grade 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
Arsenic (maximum)	ppm As	3	3	3
Cadmium (maximum)	ppm Cd	3	3	3
Chlorides (maximum)	ppm Cl	10	10	10
Color (maximum)	APHA Units	10	10	10
Fluoride (maximum)	ppm F	10	10	10
Iron (maximum)	ppm Fe	10	10	10
Lead (maximum)	ppm Pb	3	3	3
Sulfate (maximum)	ppm SO ₄	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	Magnesium	ppm Mg	< 15
Arsenic	ppm As	< 1	Manganese	ppm Mn	< 1
Cadmium	ppm Cd	< 1	Nickel	ppm Ni	< 1
Calcium	ppm Cl	< 65	Potassium	ppm K	< 8
Chromium	ppm Cr	< 1	Silicon	ppm Si	< 8
Copper	ppm Cu	< 1	Sodium	ppm Na	< 200
Fluoride	ppm F	< 6	Titanium	ppm Ti	< 8
Iron	ppm Fe	< 8	Vanadium	ppm V	< 1
Lead	ppm Pb	< 1	Zinc	ppm Zn	< 1

Related information continued on following page(s)

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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