Nutrien™
Feeding the Future™

Product Name: **Phosphoric Acid**
Grade: **Food**
Assay: **75 - 85% H_3PO_4, Low Sulfate**
Order Codes: **FG75LS, FG80LS, FG85LS**
SDS No.: **234 or 235**

PURIFIED ACID PRODUCTS

Source: Cincinnati, OH / Aurora, NC

Alternate Names: Ortho Phosphoric Acid, Phos Acid, White Acid

SPECIFICATIONS			
COMPONENT	**75%**	**80%**	**85%**
H_3PO_4, %	75.0 - 75.5	80.0 - 80.5	85.0 - 85.5
Specific gravity @ 25/15.5°C	1.574 - 1.580	1.629 - 1.635	1.686 - 1.692
Arsenic, as As, ppm	3 max.	3 max.	3 max.
Cadmium, as Cd, ppm	3 max.	3 max.	3 max.
Chloride, as Cl, ppm	10 max.	10 max.	10 max.
Color, APHA	10 max.	10 max.	10 max.
Fluoride, as F, ppm	10 max.	10 max.	10 max.
Iron as Fe, ppm	10 max.	10 max.	10 max.
Lead, as Pb, ppm	3 max.	3 max.	3 max.
Sulfate, as SO_4, ppm	100 max.	100 max.	100 max.

PHYSICAL PROPERTIES			
PROPERTY	**75%**	**80%**	**85%**
Melting point, approx.	0°F (-18°C)	41°F (5°C)	70°F (21°C)
Density, lbs/gal	13.1	13.6	14.1
Specific heat, cal/gm -°C	0.542	0.518	0.493
Viscocity, cp @ 25°C	21.5	29.0	43.5
Appearance	Water-white liquid, colorless, odorless		

TYPICAL TRACE ELEMENTS			
Aluminum, as Al	<5 ppm	Sodium, as Na	<100 ppm
Calcium, as Ca	<25 ppm	Nickel, as Ni	<1 ppm
Chromium, as Cr	<1 ppm	Silicon, as Si	<5 ppm
Copper, as Cu	<1 ppm	Titanium, as Ti	<5 ppm
Magnesium, as Mg	<6 ppm	Vanadium, as V	<1 ppm
Manganese, as Mn	<1 ppm	Zinc, as Zn	<1 ppm
Potassium, as K	<8 ppm		

Nutrien

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