

PHOSPHORIC ACID 75% 80% 85% FOOD CHEMICALS CODEX GRADE

DESCRIPTION The phosphoric acids described in this data sheet cover

a range of strengths from 75% to 85% phosphoric acid. Phosphoric acids are clear solutions. It complies with the NSF International Standard No. 60, and has been certified for the use in the treatment of drinking water

at a maximum dosage of 12 mg/L at $85\%~H_3PO_4$

equivalent strength.

USES <u>Food</u>

 $\sqrt{\text{Acidulation of soft drinks, particularly cola.}}$

√ Manufacture of cottage and processed cheese, fats, shortenings; pH control in manufacture of imitation

jellies; nutrient in production of yeast.

√ Control of bacteria growth in selected processed

foods.

√ Flocculation agent for clarification of sugar juices

after timing process.

 $\sqrt{\text{Manufacture of phosphate salts.}}$

Drinking Water

 $\sqrt{\text{Corrosion control}}$ (lead and copper control)

NOMENCLATURE Phosphoric Acid

CAS NUMBER 7664-38-2

CAS INDEX NAME Phosphoric Acid

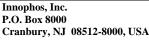
CERTIFICATES Includes Kosher, NAFTA, NSF, Halal and others

GRADE Food Chemicals Codex (current)

SHIPPING POINTS Nashville, TN

Chicago, IL Geismar, LA Fairless Hills, PA Pt. Maitland, ON

RETEST DATE 60 months







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CONTAINERS Tank Trucks

Tank Cars

15 and 55 gal Rigid Polyethylene Drums

MINIMUM ORDER For container and pricing information, please call

Customer Service at 800-243-5052.

STORAGE Phosphoric Acid is corrosive. Avoid freezing

conditions. Store in tight containers at above product

freezing points (see Typical Properties).

SPECIFICATIONS PHOSPHORIC ACID STRENGTHS

Phosphoric Acid	75% min	80% min	85% min
(H_3PO_4)			
Arsenic (As)	3 ppm max	3 ppm max	3 ppm max
Cadmium (Cd)	3 ppm max	3 ppm max	3 ppm max
Fluoride (F)	10 ppm max	10 ppm max	10 ppm max
Lead (Pb)	3 ppm max	3 ppm max	3 ppm max

TYPICAL PROPERTIES PHOSPHORIC ACID STRENGTHS

Phosphoric Acid	75%	80%	85%
(H_3PO_4)			
Degrees Baume (25°	53.0	56.2	59.1
/15.5 ° /C)			
Pounds per gal. (20°	13.16	13.61	14.08
(C)			
Freezing Point (°C)*	-17.5	4.6	21.1

^{*}Freezing points are theoretical values since the acids possess the property of supercooling without crystallizing.

Other strengths are available.

9/12/12

