

## PHOSPHORIC ACID (FOOD)

- Product description:** Acidulation of soft drinks, particularly cola.  
Manufacture of cottage and processed cheese, fats, and shortenings. pH control in manufacture of jellies.
- Composition:** Phosphoric Acid (CAS # 7664-38-2, E338)
- Applications:**
- Acidulant
  - Acidulation of soft drinks, particularly cola
  - Manufacture of cottage and processed cheese, fats, and shortenings
  - pH control in manufacture of imitation jellies
  - Control of bacteria growth in selected processed foods
  - Flocculation agent for clarification of sugar juices after liming process

### TYPICAL PROPERTIES:

<b>Molecular formula:</b>	H <sub>3</sub> PO <sub>4</sub>
<b>Molecular weight:</b>	98.0 g/mol (solute)
<b>Appearance:</b>	Clear solution
<b>Odor:</b>	Odorless
<b>Density (25°C, typical):</b>	
75%	13.16 lb/gal
80%	13.61 lb/gal
85%	14.08 lb/gal
<b>Assay (as H<sub>3</sub>PO<sub>4</sub>): *</b>	
75%	75% Min
80%	80% Min
85%	85% Min

All information is offered in good faith, without guarantee or obligation for its accuracy or sufficiency or for the results a user obtains and is at the user's risk. User must determine the suitability of the product for its particular use. User must determine the suitability of the product for its particular use and ensure that all such uses and applications (including user's labeling of its products) comply with applicable law

<b>Freezing point:</b>	
75%	-17.5°C
80%	4.6°C
85%	21.1°C
<b>Degrees Baume (25°C, typical):</b>	
75%	53.0
80%	56.2
85%	59.1
<b>Additional information on composition: *</b>	
<b>Arsenic (As)</b>	3 ppm Max
<b>Fluoride (F)</b>	10 ppm Max
<b>Lead (Pb)</b>	3 ppm Max
<b>Cadmium (Cd)</b>	3 ppm Max

\*These parameters are listed in the COA.

<b>Regulatory:</b>	Food Chemicals Codex (FCC) Halal, Kosher USMCA
<b>Storage:</b>	Phosphoric Acid is corrosive Avoid freezing conditions Store in tight containers above product freezing points
<b>Manufacturing location:</b>	Geismar, LA Chicago, IL Nashville, TN Fairless Hills, PA Lowbanks, ON
<b>Shipping points:</b>	Geismar, LA Chicago, IL Nashville, TN Fairless Hills, PA Lowbanks, ON

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<b>Standard containers:</b>	Tank trucks Tank cars 15 and 55 gallon rigid polyethylene drums
<b>Additional information:</b>	Retest 1825 days after the date of manufacture
<b>Contact information:</b>	Customer service: 1-800-243-5052 Email: customerservice@innophos.com

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