

**PRODUCT SPECIFICATION**  
**PHOSPHORIC ACID- FOOD GRADE**

Product Name : Phosphoric Acid (Food grade)  
 CAS No : 7664-38-2  
 Molecular formula : H<sub>3</sub>PO<sub>4</sub>  
 Molecular weight : 97.994 g/mol

S.No	PARAMETER	UNIT	SPECIFICATION
1	Appearance	-	Clear, Colorless, viscous liquid
2	Purity	%	85 min
3	Arsenic as As	mg/kg	0.5 max
4	H <sub>3</sub> PO <sub>3</sub>	%	0.012 max
5	Fluoride as F	mg/kg	10 max
6	Lead as Pb	mg/kg	5 max

**Application:** It is used to acidify foods and beverages such as various colas and jams, providing a tangy or sour taste. Soft drinks containing phosphoric acid, which would include Coca-Cola, are sometimes called phosphate sodas or phosphates.

Phosphoric Acid (PA) has a typical concentration of 75, 80 and 85%. One of the drawbacks of phosphoric acid is that, as its concentration increases, its freezing temperature also increases. As a result, the main strength of acid used for various applications remains 75%wt which freezes at -18C; as it is easier to handle and store during cold season. A considerable amount of phosphoric acid is being transported and stored every year in large quantities, mainly at 75% or sometimes but more rarely, at 85%, requiring heating equipment to prevent solidification.

For Bloomchemag BV

Issued by,  
 Abhishek Rana  
 Sr. Executive, Technical Support(Speciality Chemicals)



**Bloomchemag Private Limited**  
 Corporate Office: Unit 104-105-108, Tower 1  
 Assotech Business Cresterra (ABC), Sector 135, Noida – 201301 India  
 Phone: +91 72919 74484 / 72919 74050  
 www.bloomchemag.com

**Bloomchemag BV**  
 Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium.  
 T +32 14 32 21 36 | F +32 14 32 63 98  
 Email: info@bloomchemag.com