

# Phosphoric acid 85%

Laboratory USP Reagent

**H<sub>3</sub>PO<sub>4</sub>**

**M= 98.00 g/mol**

**1lit= 1.71 g/cm<sup>3</sup>**

## Specification

Assay		85.0 – 88.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Specific gravity	~	1.71	g/cm <sup>3</sup>
Phosphorus and hypo phosphorus Sulfate		Conforms	
Heavy metals	≤	0.001	%
Alkali phosphates		Conforms	
Limit of nitrate		Conforms	

**Product Code: 1.1360.**

## Technical Information

Formula:	H <sub>3</sub> PO <sub>4</sub>
Density:	1.71 g/cm <sup>3</sup> (20 °C)
HS code:	28092000
Storage (temperature):	Store above +15 °C
SDS	available
R phrase:	R 34
S phrase:	S 26-36/37/39-45
Odour:	odourless
Form:	liquid
Color:	colourless
PH value:	< 0.5 (100 g/l 20 °C)
Solubility in water:	(20 °C) soluble
Solubility in ethanol:	(20 °C) soluble
Boiling point:	~ 158 °C
Melting point:	~ 21 °C
Vapour pressure:	2 hPa (20 °C)
Viscosity kinematic:	30.5 mm <sup>2</sup> /s (25 °C)

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

