

## Technical Information

### Ortho phosphoric Acid

**Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications**

**Product Code:TC1533M**

### Product Information

Product Code	: TC1533M
Product Name	: Ortho phosphoric Acid, Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications
Synonym	: Phosphoric acid
Molecular Formula	: $H_3PO_4$
Molecular Weight	: 98.00
CAS No.	: 7664-38-2

### Technical Specification

Appearance	: A clear viscous liquid, not more than 10 Hazen units in colour.
Solubility	: Miscible with water forming clear and colourless solution.
Identification	: Passes test
Appearance of solution	: 6.66% solution in water is clear and colourless
Substances precipitated with ammonia	: Any opalescence in the solution is not more intense than that in a mixture of 10 mL of solution S and 8 mL of water
Relative density	: ~1.7
Arsenic (As)	: $\leq 0.0002\%$
Heavy metals (Pb)	: $\leq 0.0010\%$
Iron (Fe)	: $\leq 0.0050\%$
Chloride (Cl)	: $\leq 0.0050\%$
Sulphate ( $SO_4$ )	: $\leq 0.01\%$
Limit of nitrate	: The blue color is not discharged within 1 min.
Alkali phosphates	: No turbidity is produced
Aluminium & calcium	: The solution remains clear
Phosphorous or hypophosphorous acid	: The mixture does not become brownish
Hypophosphorus acid and phosphorous acid	: The appearance of the solution does not change
Minimum assay (Acidimetric)	: 84.00 - 90.00 %

### GHS Safety Information

Hazard Statement(s)	: H300-H341-H360D-F411
Precautionary Statement(s)	: P201+P264+P273+P281+P301+P310+P308+P313
Signal Word	: Warning
Hazard Pictogram(s)	



### Risk And Safety Information

WGK	: -
RTECS	: --
Storage Temperature(°C)	: Store below 30°C

**Animal Cell  
Culture Tested**



## Product Specification

[cdhfinechemical.com](http://cdhfinechemical.com)

### Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
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