

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 ₃ PO ₄
Molecular Weight	: 98.00
CAS No.	: 7664-38-2

Technical Specification

Appearance	: Clear, colourless, syrupy liquid, corrosive
Solubility	: Miscible with water and with ethanol (96%)
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)	: <= 0.0002%
Heavy metals (Pb)	: <= 0.0010%
Iron (Fe)	: <= 0.0050%
Chloride (Cl)	: <= 0.0050%
Sulphate (SO ₄)	: <= 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 NaOH Titration	: 84.00 - 90.00 %

Risk And Safety Information

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

**Animal Cell
Culture Tested**



Product Specification

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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.
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