

ortho-Phosphoric acid 85%, Pharma.

H ₃ PO ₄	FW. 98.00	Density 1 L = 1.71 Kg.
CAS-No.	7664-38-2	Melting Point 21 °C
Code	BP1152	Boiling Point 158 °C

Specifications

(Meets Ph.Eur, BP, USP/NF, ACS)

Assay (by acidimetry)	85 - 86%
Appearance	Clear and colorless
Identity	Passes test
Color (APHA)	10 max.
Solubility	Passes test
Insoluble matter	10 ppm max.
Substances precipitated with ammonia	Passes test
Reducing substances	Passes test
Alkali Phosphates	Passes test
Hypophosphorous and Phosphorous Acid	Passes test
Volatile Acids (as CH ₃ COOH)	10 ppm max.
Chloride (Cl)	3 ppm max.
Nitrate (NO ₃)	5 ppm max.
Sulfate (SO ₄)	30 ppm max.
Heavy metals (as Pb)	10 ppm max.
Antimony (Sb)	20 ppm max.
Arsenic (As)	1 ppm max.
Calcium (Ca)	20 ppm max.
Iron (Fe)	30 ppm max.
Magnesium (Mg)	20 ppm max.
Manganese (Mn)	0.5 ppm max.
Potassium (K)	50 ppm max.
Sodium (Na)	250 ppm max.

TN_19-11-2015

S-QC03-BP-A-P085 / RV.02 / Eff.date 01-09-21