

ortho-Phosphoric acid 85%, AR.

H ₃ PO ₄	FW. 98.00	Density 1 L = 1.71	Kg.
CAS-No.	7664-38-2	Melting Point	21 °C
Code	AR1152	Boiling Point	158 °C

Specifications

(Meet A.C.S. Specifications)

Assay (by acidimetry)	85 - 86%
Appearance of solution	Clear
Color (APHA)	10 max.
Identity	Passes Test
Insoluble matter	10 ppm max.
Reducing substances	Passes Test
Volatile acids (as CH ₃ COOH)	10 ppm max.
Chloride (Cl)	2 ppm max.
Nitrate (NO ₃)	3 ppm max.
Sulfate (SO ₄)	20 ppm max.
Heavy metals (as Pb)	10 ppm max.
Antimony (Sb)	10 ppm max.
Arsenic (As)	0.5 ppm max.
Cadmium (Cd)	0.5 ppm max.
Calcium (Ca)	20 ppm max.
Cobalt (Co)	0.5 ppm max.
Copper (Cu)	0.5 ppm max.
Iron (Fe)	10 ppm max.
Lead (Pb)	0.5 ppm max.
Magnesium (Mg)	5 ppm max.
Manganese (Mn)	0.5 ppm max.
Nickel (Ni)	1 ppm max.
Potassium (K)	5 ppm max.
Sodium (Na)	50 ppm max.
Zinc (Zn)	2 ppm max.

TN_20-10-2014

S-QC03-AR-A-P085 / RV.01 / Eff.date 01-11-14