

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)	85.0%	min.
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)	100	ppm max.
Zinc (Zn)	2	ppm max.

TN_26-08-2009

S-QC03-AR-A-P085 / RV.00 / Eff.date 01-11-12