

Technical Data Sheet

Product Name	Ortho Phosphoric Acid A.R.		
Product #	KS-02103	CAS #	7664-38-2
For laboratory use, ACS, Ph. Eur.			
Specifications			
Assay (Alkali-metric)	≥ 85.0%		
Identity	Passes test		
Appearance of Solution	Passes test		
Color	≤ 10 Hazen		
Chloride (Cl)	≤ 2ppm		
Fluoride (F)	≤ 1ppm		
Nitrate (NO ₃)	≤ 3ppm		
Hypophosphite, Phosphite	Passes test		
Heavy Metals (as Pb)	≤ 10ppm		
Sulfate (SO ₄)	≤ 20ppm		
Arsenic (As)	≤ 0.5ppm		
Calcium (Ca)	≤ 20ppm		
Cadmium (Cd)	≤ 0.5ppm		
Cobalt (Co)	≤ 0.5ppm		
Copper (Cu)	≤ 0.5ppm		
Iron (Fe)	≤ 10ppm		
Potassium (K)	≤ 5ppm		

Magnesium (Mg)	≤ 5ppm
Manganese (Mn)	≤ 0.5ppm
Sodium (Na)	≤ 200ppm
Nickel (Ni)	≤ 1.0ppm
Lead (Pb)	≤ 0.5ppm
Zinc (Zn)	≤ 2ppm
Matter Precipitated by Ammonia	Passes test
Volatile Acids (as Acetic Acid)	≤ 10ppm
Substances Reducing Potassium Permanganate (as O)	≤ 10ppm
Insoluble Matter	≤ 10ppm

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