



Specification

1.00573.2500 ortho-Phosphoric acid 85% for analysis EMSURE® ACS,ISO,Reag. Ph Eur

	Specification	
Assay (alkalimetric)	≥ 85.0	%
Identity	passes test	
Appearance of solution	passes test	
Color	≤ 10	Hazen
Chloride (Cl)	≤ 2	ppm
Fluoride (F)	≤ 1	ppm
Nitrate (NO ₃)	≤ 3	ppm
Phosphite and Hypophosphite (as H ₃ PO ₃)	≤ 20	ppm
Hypophosphite, phosphite	passes test	
Heavy metals (as Pb)	≤ 10	ppm
Sulfate (SO ₄)	≤ 20	ppm
As (Arsenic)	≤ 0.5	ppm
Ca (Calcium)	≤ 20	ppm
Cd (Cadmium)	≤ 0.5	ppm
Co (Cobalt)	≤ 0.5	ppm
Cu (Copper)	≤ 0.5	ppm
Fe (Iron)	≤ 10	ppm
K (Potassium)	≤ 5	ppm
Mg (Magnesium)	≤ 5	ppm
Mn (Manganese)	≤ 0.5	ppm
Na (Sodium)	≤ 200	ppm
Ni (Nickel)	≤ 1.0	ppm
Pb (Lead)	≤ 0.5	ppm
Sb (Antimony)	≤ 5	ppm
Zn (Zinc)	≤ 2	ppm
Matter precipitated by ammonia	passes test	
Volatile acids (as Acetic acid)	≤ 10	ppm
Substances reducing potassium permanganate (as O)	≤ 10	ppm
Insoluble matter	≤ 10	ppm

Dr. Nina Hegmann

Responsible laboratory manager quality control

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