



Specification

1.00573.0000 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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