

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2026-07-30 13:39:52

Date of Next Testing: 2029-07-29 13:39:52

Product Name: **ortho-Phosphoric acid 85%**

CAS Number: 7664-38-2

Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure

Lot #: G2624082

SKU #: **W11126**

Version: **0**

Analysis #: **749800**

Storage Temperature: Room temperature

| Parameter                                                       | Limit Values | Result        |
|-----------------------------------------------------------------|--------------|---------------|
| Assay(alkalimetric)                                             | 85-102.5 (%) | 85.77000 %    |
| Chloride (Cl-)                                                  | 0-2 (ppm)    | 1.00000 ppm   |
| Fluoride (F-)                                                   | 0-1 (ppm)    | 0.05000 ppm   |
| Nitrate(NO <sub>3</sub> )                                       | 0-3 (ppm)    | 2.00000 ppm   |
| Phosphite and Hypophosphite(as H <sub>3</sub> PO <sub>3</sub> ) | 0-20 (ppm)   | 18.00000 ppm  |
| Heavy metal (as Pb)                                             | 0-10 (ppm)   | 9.00000 ppm   |
| Sulfate(SO <sub>4</sub> )                                       | 0-20 (ppm)   | 15.00000 ppm  |
| Arsenic(As)                                                     | 0-0.5 (ppm)  | 0.02000 ppm   |
| Calcium(Ca)                                                     | 0-20 (ppm)   | 12.00000 ppm  |
| Cadmium(Cd)                                                     | 0-0.5 (ppm)  | 0.02500 ppm   |
| Cobalt(Co)                                                      | 0-0.5 (ppm)  | 0.03600 ppm   |
| Copper(Cu)                                                      | 0-0.5 (ppm)  | 0.02200 ppm   |
| Iron(Fe)                                                        | 0-10 (ppm)   | 5.00000 ppm   |
| Potassium(K)                                                    | 0-5 (ppm)    | 4.00000 ppm   |
| Magnesium(Mg)                                                   | 0-5 (ppm)    | 2.00000 ppm   |
| Manganese(Mn)                                                   | 0-0.5 (ppm)  | 0.02400 ppm   |
| Sodium(Na)                                                      | 0-200 (ppm)  | 198.00000 ppm |
| Nickel(Ni)                                                      | 0-1 (ppm)    | 0.20000 ppm   |
| Lead(Pb)                                                        | 0-0.5 (ppm)  | 0.02500 ppm   |
| Antimony(Sb)                                                    | 0-5 (ppm)    | 2.00000 ppm   |
| Zinc(Zn)                                                        | 0-2 (ppm)    | 0.00000 ppm   |
| Volatile acids (as Acetic acid)                                 | 0-10 (ppm)   | 0.00000 ppm   |
| Substances reducing potassium permanganate (as O)               | 0-10 (ppm)   | 0.00000 ppm   |
| Insoluble matter                                                | 0-10 (ppm)   | 0.00000 ppm   |

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| Parameter                      | Limit Values     | Result           |
|--------------------------------|------------------|------------------|
| Appearance of solution         | Conforms         | Conforms         |
| Matter precipitated by ammonia | passes test      | Passes test      |
| Appearance(W11126)             | Colorless Liquid | Colorless liquid |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

