



**ChemPure\* Brand  
Chemicals**

Cust-Product Code: CP-M1864S  
Lot #: 2020090384

...Pure Quality

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Phosphoric Acid 85%**  
ACS

F.W.: 98.0000

CHEMICAL FORMULA: H<sub>3</sub>PO<sub>4</sub>

CAS No: 7664-38-2

Density: 1.6900

### ANALYTICAL RESULTS

| ITEM                                    | SPECIFICATIONS | ANALYSIS    |
|---|----------------|-------------|
| Heavy Metals (as Pb)                    | 10 ppm max.    | <10 ppm     |
| Assay (H <sub>3</sub> PO <sub>4</sub> ) | 85.0% min.     | 85.3%       |
| Sodium (Na)                             | 250 ppm max.   | <250 ppm    |
| Antimony (Sb)                           | 20 ppm max.    | <20 ppm     |
| Sulfate (SO <sub>4</sub> )              | 30 ppm max.    | <30 ppm     |
| Arsenic (As)                            | 1 ppm max.     | <1 ppm      |
| Calcium (Ca)                            | 20 ppm max.    | <20 ppm     |
| Chloride (Cl)                           | 3 ppm max.     | <3 ppm      |
| Magnesium (Mg)                          | 20 ppm max.    | <20 ppm     |
| Reducing Substances                     | To pass test   | Passes Test |
| Volatile Acids (CH <sub>3</sub> COOH)   | 10 ppm max.    | <10 ppm     |
| Insol. matter                           | 10 ppm max     | <10 ppm     |
| Iron (Fe)                               | 30 ppm max.    | <30 ppm     |
| Manganese (Mn)                          | 0.5 ppm max.   | <0.5 ppm    |
| Nitrate (NO <sub>3</sub> )              | 5 ppm max.     | <5 ppm      |
| Potassium (K)                           | 50 ppm max.    | <50 ppm     |
| Color (APHA)                            | 10 max.        | 8           |
| Manufacture Date                        | Record Actual  | 03/24/2020  |
| Expiration Date                         | Record Actual  | 03/24/2023  |

### REMARKS

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SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM

ChemPure Brand Chemicals • P: 440.725.2802 • F: 734.405.6623 • 39103 Warren Rd., Westland, MI 48185