



**ChemPure\* Brand  
Chemicals**

Product Code: 403500-90000

Lot #: 2012102374

## Certificate Of Analysis

Chemical Name: **Phosphoric Acid, 85%**

ACS

Chemical Formula: H<sub>3</sub>PO<sub>4</sub>

...Pure Quality

F.W.: 98.0000

CAS: 7664-38-2

Density: 1.6900 kg/L

| Analytical Results                      |                                  |             |
|-----------------------------------------|----------------------------------|-------------|
| Item                                    | Specifications                   | Analysis    |
| Chloride (Cl)                           | 3 ppm max.                       | 1 ppm       |
| Color (APHA)                            | 10 max.                          | 4           |
| Expiration Date                         | 3 years from date of manufacture | 10/19/2015  |
| Heavy Metals (as Pb)                    | 10 ppm max.                      | <10 ppm     |
| Insol. matter                           | 10 ppm max                       | <10 ppm     |
| Iron (Fe)                               | 30 ppm max.                      | <10 ppm     |
| Magnesium (Mg)                          | 20 ppm max.                      | <20 ppm     |
| Antimony (Sb)                           | 20 ppm max.                      | <20 ppm     |
| Manganese (Mn)                          | 0.5 ppm max.                     | <0.5 ppm    |
| Manufacture Date                        | Record Actual                    | 10/19/2012  |
| Nitrate (NO <sub>3</sub> )              | 5 ppm max.                       | 1 ppm       |
| Arsenic (As)                            | 1 ppm max.                       | <1 ppm      |
| Potassium (K)                           | 50 ppm max.                      | <50 ppm     |
| Reducing Substances                     | To pass test                     | Passes Test |
| Sodium (Na)                             | 250 ppm max.                     | <250 ppm    |
| Sulfate (SO <sub>4</sub> )              | 30 ppm max.                      | <10 ppm     |
| Volatile Acids (CH <sub>3</sub> COOH)   | 10 ppm max.                      | <10 ppm     |
| Assay (H <sub>3</sub> PO <sub>4</sub> ) | 85.0% min.                       | 85.5%       |
| Calcium (Ca)                            | 20 ppm max.                      | <20 ppm     |

Remarks:

It is certified that the above copy is a true copy of the actual lot analysis.

Shawn Chadwick  
Technical Director