

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **ortho-Phosphoric acid 85%**  
 Specifications & Purity: PharmPure™,BP,Ph.Eur.,E 338,JPE,NF  
 SKU #: **O774743**

| Parameter                                                            | Limit Values                     |
|----------------------------------------------------------------------|----------------------------------|
| Alkali phosphates, phosphate (JPE)                                   | pass                             |
| Appearance of solution                                               | Conforms                         |
| Arsenic(As)                                                          | 0-0.19 (ppm)                     |
| Assay(alkalimetric)                                                  | 85-88 (%)                        |
| Cadmium(Cd)                                                          | 0-0.0001 (%)                     |
| Chloride (Cl-)                                                       | 0-0.0005 (%)                     |
| Colony count(aerobic bacteria(TAMC))                                 | 0-100 (cfu/g)                    |
| Colony count(Yeasts and moulds(TYMC))                                | 0-10 (cfu/g)                     |
| Copper(Cu)                                                           | 0-0.002 (%)                      |
| Endotoxins                                                           | ≤ 2.5 (I.U./ml)                  |
| Iron(Fe)                                                             | 0-0.005 (%)                      |
| Fluoride (F-)                                                        | 0-0.001 (%)                      |
| Heavy metal (as Pb)                                                  | 0-0.0005 (%)                     |
| Mercury(ICP)                                                         | 0-0.0001 (%)                     |
| Hypophosphorous and phosphorous acid                                 | passes test                      |
| Potassium(K)                                                         | 0-0.005 (%)                      |
| Sodium(Na)                                                           | 0-0.03 (%)                       |
| Lead (Pb)                                                            | 0-0.0001 (%)                     |
| Specific density (d 20/4)                                            | ≥ 1.69                           |
| Substances reducing permanganate                                     | Passes test                      |
| Sulfate(SO42-)                                                       | 0-0.001 (%)                      |
| Volatile acids (as Acetic acid)                                      | ≤ 0.001 (%)                      |
| Zinc(Zn)                                                             | 0-0.002 (%)                      |
| Appearance(O774743)                                                  | clear, colourless, syrupy liquid |
| Identity(Phosphate)                                                  | Pass                             |
| Identity (strongly acid)                                             | passes test                      |
| Substances precipitated with ammonia                                 | Pass                             |
| (NO3)Nitrate                                                         | Passes test                      |
| Appearance of solution                                               | Clear Colorless                  |
| Other residual solvents (ICH Q3C,excluded by the production process) | pass                             |