



### SPECIFICATION SHEET

|                |   |   |
|----------------|---|---|
| Product Name   | : | Ortho-Phosphoric acid 85%, Ph Eur, BP, JPE, NF, E 338 |
| Product Number | : | 959.063   |
| Brand          | : | ISOLAB  |
| CAS Number     | : | 7664-38-2   |
| Formula        | : | H <sub>3</sub> PO <sub>4</sub>                        |
| Formula Weight | : | 98 g/mol  |

| TEST NAME   | SPECIFICATION | UNIT |
|---|---------------|------|
| Assay (H <sub>3</sub> PO <sub>4</sub> )           | 85.0 - 86.0%  | %    |
| Identity  | passes test   |      |
| Appearance of solution                            | passes test   |      |
| Volatile acids (as Acetic acid)                   | ≤ 0.001 %     | %    |
| Chloride (Cl)                                     | ≤ 0.0005 %    | %    |
| Fluoride (F)                                      | ≤ 0.001 %     | %    |
| Nitrate (NO <sub>3</sub> )                        | ≤ 0.0003 %    | %    |
| Phosphite (H <sub>3</sub> PO <sub>3</sub> )       | ≤ 0.002 %     | %    |
| Hypophosphorus and phosphorus acid                | passes test   |      |
| Sulphate (SO <sub>4</sub> )                       | ≤ 0.005 %     | %    |
| Heavy metals (as Pb)                              | ≤ 0.0005 %    | %    |
| As (Arsenic)                                      | ≤ 0.000019 %  | %    |
| Cd (Cadmium)                                      | ≤ 0.0001 %    | %    |
| Cu (Copper)                                       | ≤ 0.002 %     | %    |
| Fe (Iron)   | ≤ 0.005 %     | %    |
| Hg (Mercury)                                      | ≤ 0.0001 %    | %    |
| K (Potassium)                                     | ≤ 0.005 %     | %    |
| Na (Sodium)                                       | ≤ 0.003 %     | %    |
| Pb (Lead)   | ≤ 0.0001 %    | %    |
| Zn (Zinc)   | ≤ 0.002 %     | %    |
| Matter precipitated by ammonia                    | passes test   |      |
| Substances reducing potassium permanganate (as O) | ≤ 0.001 %     | %    |

Quality Management  
Isolab Laborgerate GmbH

