

**Product Name:** Phosphoric acid, 85% aq. soln., Thermo Scientific Chemicals  
**Catalog Number:** A18067.AP

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**CAS Number:** 7664-38-2  
**IUPAC Name:** phosphoric acid  
**Molecular Formula:** H<sub>3</sub>O<sub>4</sub>P  
**Molecular Weight:** 97.99  
**InChI Key:** NBIIXXVUZAFBLC-UHFFFAOYSA-N  
**SMILES:** OP(O)(O)=O  
**Synonym:** phosphoric acid fosforzuuroplossingen sodium dihydrogen orthophosphate phosphate ion (PO<sub>4</sub><sup>3-</sup>) caswell no. 662 concise etchant wc-reiniger marphos K-etchant trihydroxidooxidophosphorus

## Product Specification

**Appearance (Color):** Clear colorless  
**Form:** Viscous liquid or low-melting solid  
**Assay (Aqueous acid-base Titration):** 84.0-87.0% (non-U.S. specification)  
**Assay from Suppliers CofA:** 84.0-87.0% (U.S. specification)  
**Comment:** Specification differs for U.S. and non-U.S. material where indicated  
**Identification (FTIR):** Conforms (non-U.S. specification)  
**Refractive Index:** 1.4285-1.4335 @ 20°C (non-U.S. specification)

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**Date Of Print:** 05/17/2024

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*