

# Technical Datasheet

**Article no.: 1156**

**ortho-Phosphoric acid p. a., Ph. Eur., BP (min. 84.0 % w/w)**

H<sub>3</sub>PO<sub>4</sub>

For laboratory use.

Parameter	Value
CAS no.	7664-38-2
Appearance/condition	Colourless liquid
Melting point	~21 °C
Boiling point	~158 °C
Molar mass	98.00 g/mol
Assay	84.0 – 90.0 % w/w
Identity	complies
Appearance of the solution	complies
Chloride (Cl)	max. 0.005 %
Sulphate (SO <sub>4</sub> )	max. 0.01 %
Hypophosphorous (H <sub>3</sub> PO <sub>2</sub> ) and phosphonic acid (H <sub>3</sub> PO <sub>3</sub> )	complies
Heavy metals (as Pb)	max. 0.001 %
Substances precipitated by ammonia	complies
Arsenic (As)	max. 0.0002 %
Iron (Fe)	max. 0.005 %

Version no. 2