



# Product Specification

**Product Name:** ORTHOPHOSPHORIC ACID 85% w/w AR

Alternate Name(s)

Description

Colourless odourless syrupy liquid.

Properties

Chemical Formula:

Molecular Weight: 98.00

Product Code:

PA000

CAS No.

7664-38-2

General Information:

Soluble in water and alcohol. Corrosive to ferrous metals and alloys.

Hazard and Safety Data

UN Group: III

Class: 8

UN Number: 1805

Hazchem code: 2R

CS MSDS Code: 1CH4S

Poison schedule: S6

Emergency

Procedure Guide No.: 37

Quality Specification

Assay: 85.0% min.

Specific Properties and Impurities [Typical levels]:

Colour (APHA)	≤ 10
Insoluble matter	≤ 0.001%
Chloride (Cl)	≤ 0.0003%
Nitrate (NO <sub>3</sub> )	≤ 0.0005%
Sulfate (SO <sub>4</sub> )	≤ 0.003%
Volatile acids (as CH <sub>3</sub> COOH)	≤ 0.001%
Heavy metals (as Pb)	≤ 0.001%
Reducing substances	Passes test
Aluminium (Al)	≤ 0.0005%
Antimony (Sb)	≤ 0.002%
Arsenic (As)	≤ 0.00005%
Cadmium (Cd)	≤ 0.00005%
Calcium (Ca)	≤ 0.002%
Cobalt (Co)	≤ 0.0001%
Copper (Cu)	≤ 0.00005%
Iron (Fe)	≤ 0.003%
Lead (Pb)	≤ 0.0002%
Magnesium (Mg)	≤ 0.001%
Manganese (Mn)	≤ 0.00005%
Nickel (Ni)	≤ 0.0005%
Potassium (K)	≤ 0.001%
Sodium (Na)	≤ 0.01%
Tin (Sn)	≤ 0.00005%
Zinc (Zn)	≤ 0.0002%

CONFORMS TO ACS

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