



SPECIFICATION SHEET

Product Name	:	ortho-Phosphoric acid 85%, for analysis ACS,ISO,Reag. Ph Eur
Product Number	:	959.066
Brand	:	ISOLAB
CAS Number	:	7664-38-2
Formula	:	H ₃ PO ₄
Formula Weight	:	98 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (H ₃ PO ₄)	85.0 - 86.0%	%
Identity	passes test	
Appearance of solution	passes test	
Colour	≤ 10 APHA	
Chloride (Cl)	≤ 0.0002 %	%
Fluoride (F)	≤ 0.0001 %	%
Nitrate (NO ₃)	≤ 0.0003 %	%
Phosphite (H ₃ PO ₃)	≤ 0.002 %	%
Hypophosphite, phosphite	passes test	
Heavy metals (as Pb)	≤ 0.0005 %	%
Sulphate (SO ₄)	≤ 0.002 %	%
As (Arsenic)	≤ 0.00001 %	%
Ca (Calcium)	≤ 0.002 %	%
Cd (Cadmium)	≤ 0.00005 %	%
Co (Cobalt)	≤ 0.00005 %	%
Cu (Copper)	≤ 0.00005 %	%
Fe (Iron)	≤ 0.0002 %	%
Hg (Mercury)	≤ 0.0001 %	%
K (Potassium)	≤ 0.0005 %	%
Mg (Magnesium)	≤ 0.0005 %	%
Mn (Manganese)	≤ 0.00005 %	%
Na (Sodium)	≤ 0.005 %	%
Ni (Nickel)	≤ 0.0001 %	%
Pb (Lead)	≤ 0.00005 %	%
Sb (Antimony)	≤ 0.0005 %	%
Zn (Zinc)	≤ 0.0002 %	%
Matter precipitated by ammonia	passes test	
Volatile acids (as Acetic acid)	≤ 0.001 %	%
Substances reducing potassium permanganate (as O)	≤ 0.001 %	%
Insoluble matter	≤ 0.001 %	%

Quality Management
Isolab Laborgerate GmbH

