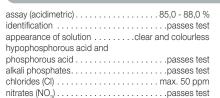
AC1098 ortho-Phosphoric acid, 85%, extra pure, Pharmpur®, Ph Eur, BP, NF



sulfates (SO $_{\scriptscriptstyle 4}$) max. 100 ppm iron (Fe) max. 50 ppm substances precipitated with ammonia. . . . passes test Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013. Residual solvents are analysed according to guideline

CPMP/ICH/283/95.

assay (acidimetric)

ART. NO.	VOLUME	CONTAINER
AC10981000	11	P
AC10982500	2,5	P
AC1098025P	25	P

AC1100 ortho-Phosphoric acid, 85%, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric) .min. 85 % identity .passes test appearance of solution .passes test colour (Hazen) .max. 10 insoluble in water .max. 0,001 % volatile acids (as CH ₃ COOH) .max. 0,001 % fluorides (F) .max. 0,000 % nitrates (NO ₃) .max. 0,0003 % phosphites, .max. 0,0003 %
hypophosphites (as H ₃ PO ₃) .max. 0,002 % sulfates (SO ₄) .max. 0,002 % antimony (Sb) .max. 5 ppm arsenic (As) .max. 0,5 ppm cadmium (Cd) .max. 0,5 ppm

heavy metals (as Pb) max. 0,001 % magnesium (Mg) max. 5 ppm manganese (Mn) max. 0,5 ppm nickel (Ni) max. 1 ppm potassium (K). max. 5 ppm substances precipitated with ammonia. . . . passes test substances reducing KMnO₄ passes test

ART. NO.	VOLUME	CONTAINER
AC11001000	1	P
AC11002500	2,5	P
AC1100025P	25 I	P

ortho-PHOSPHORIC ACID, SOLUTION 50%

AC1096 ortho-Phosphoric acid, solution 50%, ExpertQ®, for analysis



- Synonyms: Orthophosphoric acid
- H₃PO₄
- M = 98,00 g/mol
 CAS [7664-38-2]
- EINECS-No.: 231-633-2
- Density: 1,33 g/cm³
- Solub. in water: (20 °C): miscible
- LD 50 (oral, rat): 1530 mg/kg (anhydrous substance)
- EC-Index-No.: 015-011-00-6
- ADR: 8 C1 III UN 1805
- IMDG: 8 III UN 1805
- IATA/ICAO: 8 III UN 1805
- · GHS-signal word: Danger GHS-H sentences: H314
- GHS-P sentences: P260 P303 + P361 + P353 -
- P305 + P351 + P338 P321 P405 P501a
- Tariff number: 2809 20 00 00
- Applications: analytical chemistry, laboratory reagent, in fertilizer compositions, solvents (for pharmaceutical use), antioxidant (in food industry).

annroy 50 %

ART. NO.	VOLUME	CONTAINER
AC10961000	1	P
AC1096005P	51	P

ortho-PHOSPHORIC ACID, VOLUMETRIC SOLUTIONS

AC1106 ortho-Phosphoric acid, solution 1 mol/l

- H₂PO₄
- M = 98,00 g/mol
- CAS [7664-38-2]
- EINECS-No.: 231-633-2
- Density: 1,04 g/cm³
- LD 50 (oral, rat): 1530 mg/kg (anhydrous substance) EC-Index-No.: 015-011-00-6
- Tariff number: 2809 20 00 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

factor.... 0,999 - 1,001 uncertainty ± 0,001

1 ml = 0,098 q H_aPO

This volumetric solution was checked by means of potentiometric methods using a sodium hydroxide standard solution, that was also checked against Scharlau's potassium hydrogen phthalate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA)

ART. NO.	VOLUME	CONTAINER
ΔC11061000	11	a