



**PRODUCT CODE: 141032**

**ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade**

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M.= 98,00 CAS [7664-38-2] EINECS 231-633-2

TARIC 2809 20 00 00

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water · Hygroscopic · D 20/4 1,71 · M.P.: 21 C · B.P.: 158 C · pH(100g/l)0,5 · Vap. press. (25 C) 2,2 hPa ·

**BIBLIOGRAPHY:** Merck Index **13**, 7.430 14, 7.344 Sax **PHB250** · Safety **2**, **2822 B** · Rmp **8**, **3168** · K?hn-Birett **P 23** · Fieser **1860 45387 7255 10317 15266** · ACS **XI** · ISO 6353/2-1983 R - 22 , 30 · **BP.2020** · USP **-NF 37** · Ph. Eur. **9.0** (2017) **10.0** (2020) · F.C.C **11 12** · Directive 2002/82/EC ·

**HAZARDOUS:**C.E: 015-011-00-6 · RTECS: TB 6300000 · LD50 oral rat 1.530 mg/kg · LD50 skn rbt 2.740 mg/kg · VLA-EC 2 mg/m<sup>3</sup> VLA-ED 1 mg/m<sup>3</sup>



H: H314 · H290 ·

P: P260 · P264 · P280 · P301+P330+P331 · P303+P361+P353 · P501 · P304+P340 · P305+P351+P338 · P310 · P321 · P338 · P363 · P405 ·

**TRANSPORT REGULATIONS:** UN: 1805 · ADR: 8/III· IMDG: 8/III · IATA: 8/III · PAX: 852 · CAO: 856 · (E) ·

**WEIGHT/VOLUME INFORMATION:** 1l~1,70 kg 1kg~0,59 l

**SPECIFICATIONS:**

Assay (Acidim.)  
Identity :

85,0-88,0 %

Identity according to Pharmacopoeias: passes test

**Maximum limit of impurities**

Appearance of solution passes test  
Chloride (Cl) 0,005%  
Sulfate (SO<sub>4</sub>) 0,01%  
Precipit. substances by NH<sub>4</sub>OH passes test  
Residual solvents (Ph.Eur/USP) passes test  
Hypophosphorous and phosphorous acid passes test  
Alkaline phosphates passes test  
Nitrate passes test

Fe 0,005 %

Elemental impurities (ICH Q3D):

Class 1

Cd 0,5 ppm  
Pb 0,5 ppm  
As 1,5 ppm  
Hg 1,5 ppm

Class 2A

Co 5 ppm  
V 10 ppm  
Ni 20 ppm

Class 2B

Tl 5 ppm  
Au 10 ppm  
Pd 10 ppm  
Ir 10 ppm  
Os 10 ppm  
Rh 10 ppm  
Ru 10 ppm  
Se 15 ppm  
Ag 15 ppm  
Pt 10 ppm

Class 3

Li 55 ppm  
Sb 120 ppm  
Ba 140 ppm  
Mo 25 ppm  
Cu 250 ppm  
Sn 600 ppm  
Cr 25 ppm