



PRODUCT CODE: 147143

ortho-Phosphoric Acid 10% (USP-NF, BP, Ph. Eur.) pure, pharma grade

H3O4P

H3PO4

M.= 98,00

CAS [7664-38-2]

EINECS 231-633-2

TARIC 2809 20 00 00

PHYSICAL DATA: Clear liquid, Colourless, Miscible with water D 20/4 1.059 •

BIBLIOGRAPHY: Merck Index **14**, 7.344 BP.**2023** • USP -NF **38** • Ph. Eur. **11.0** (2023) • F.C.C **13** •

HAZARDOUS: C.E: 015-011-00-6 • RTECS: TB 6300000 •



H: H290 • H315 • H319 •

P: P280 • P305+P351+P338 • P332+P313 • P337+P313 • P362 • P501 •

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

WEIGHT/VOLUME INFORMATION: 1l~1,05 kg 1kg~0,95 l

SPECIFICATIONS:

Assay (Acidim.) (w/w) (Ph. Eur.)	9,5 - 10,5 %
Assay (Acidim.) (w/v) (USP-NF)	9,5 - 10,5 %
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Appearance of solution	passes test
Chloride (Cl)	0,0006 %
Sulfate (SO4) (Ph. Eur.)	0,0010 %
Sulfate (SO4) (USP-NF)	passes test
Precipitated substances by NH4OH	passes test
Residual solvents (Ph.Eur/USP)	passes test

Nitrate (NO ₃)	passes test
Hypophosphorous and phosphorous acid	passes test
Alkaline phosphates	passes test

Fe	0,0006 %
----	----------

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	0,2 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