



PRODUCT CODE: 131965

Sodium di-Hydrogen Phosphate 1-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

$H_2NaO_4P \cdot H_2O$

$NaH_2PO_4 \cdot H_2O$

M.= 137,99

CAS [10049-21-5]

EINECS 231-449-2

TARIC 2835 22 00 00

SYNONYMS: Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic

PHYSICAL DATA: crystals, White, Soluble in water 1.103 g/l at 20 °C Thermal decom. ~ 100 °C • D 2,04 • pH4,3 - 4,5 •

BIBLIOGRAPHY: Merck Index **13**, 8.734 Safety **2** , **3152 C** • Römp **8** , **2743** • Fieser 1395 • ACS **XI** • BP.**2021** • USP **42** • F.C.C **11 12** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: WA 1900000 • LD50 oral rat 8.290 mg/kg •

SPECIFICATIONS:

Assay (Acidim.) 99,0-102,0%

pH of 5% solution 4,1-4,5

Maximum limit of impurities

Insoluble matter in H₂O 0,01 %
Chloride (Cl) 0,0005%
Nitrogen compounds (as N) 0,001%
Sulfate (SO₄) 0,003%
Heavy Metals (ICP-OES) 0,0005 %

As 0,00005 %

Ca 0,005 %

Cd	0,0005	%
Co	0,0005	%
Cu	0,0005	%
Fe	0,0005	%
K	0,005	%
Mg	0,005	%
Ni	0,0005	%
Pb	0,0005	%