



PRODUCT CODE: 131679

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

$\text{HNa}_2\text{O}_4\text{P}$

Na_2HPO_4

M.= 141,96

CAS [7558-79-4]

EINECS 231-448-7

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SYNONYMS: Sodium Phosphate , secondary, Sodium Phosphate di-Basic

PHYSICAL DATA: powder, White, Soluble in water 75 g/l at 20 °C Thermal decom. above 240 °C • Hygroscopic • D 20/4 1,53 • pH8,9 - 9,2 •

BIBLIOGRAPHY: Merck Index **12**, 8.805 13, 8.733 Sax **SIM500** • Safety **2** , **3151 D** • Römp **8** , **2743** • ACS **XI** • BP.2025 • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: WC 4500000 • LD50 oral rat 17.000 mg/kg •

SPECIFICATIONS:

Minimum assay (Acidim.) 99,0%

pH of 5% solution 8,7-9,3

Maximum limit of impurities

Insoluble matter in H ₂ O	0,01 %
Loss on drying at 105°C	0,2%
Chloride (Cl)	0,001%
Nitrogen compounds (as N)	0,001%
Sulfate (SO ₄)	0,005%
Absorbance UV (1 cm cell; Ref.:Water)	
ABS at 280 nm 0,1 M sol in water	0,05

ABS at 260 nm 0,1 M sol in water	0,05
Fluoride	0,001 %
Pyrophosphate (P ₂ O ₇)	0,2%
As	0,00005 %
Heavy Metals (ICP-OES)	0,001 %

Metals by ICP [in mg/Kg (ppm)]

Al	5
Au	5
B	5
Ba	5
Be	5
Ca	10
Cd	5
Co	5
Cu	5
Fe	10
K	100
Mg	10
Mn	5
Mo	5
Ni	5
Pb	10
Pt	5
Sb	5
Se	5
Sr	5
Ti	5
Zn	5