



PRODUCT CODE: 131679

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

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

Na_2HPO_4

M.= 141,96

CAS [7558-79-4]

EINECS 231-448-7

TARIC 2835 22 00 00

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.**2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) 6.3 • F.C.C **11 12** • 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 H₂O 0,01 %

Loss on drying at 105°C 0,2%

Chloride (Cl) 0,001%

Nitrogen compounds (as N) 0,001%

Sulfate (SO₄) 0,005%

Pyrophosphate (P₂O₇) 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
Si	5
Sr	5
Ti	5
Zn	5