

**PRODUCT CODE: 131679****di-Sodium Hydrogen Phosphate anhydrous (Reag. 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

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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.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) 6.3 • F.C.C **10 11** • 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% |

| | |
|------------------------|-----------|
| 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 |