



PRODUCT CODE: 141679

di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade

HNa₂O₄P

Na₂HPO₄

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 **42** • 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:

| | |
|---------------------------------------|-------------|
| Assay (Acidim.) calc. a.d.s. | 98,0-100,5% |
| Identity : | |
| Identity according to Pharmacopoeias: | passes test |
| pH of 5% solution | 8,7-9,4 |

Maximum limit of impurities

| | |
|---|-------------|
| Appearance of solution | passes test |
| Insoluble matter in H ₂ O | 0,025 % |
| Reducing substance to KMnO ₄ | passes test |
| Loss on drying at 105°C | 1,0 % |

| | |
|---------------------------------|-------------|
| Loss on drying at 130°C (USP) | 5,0 % |
| Chloride (Cl) | 0,005% |
| Nitrogen compounds (as N) | 0,003% |
| Sulfate (SO4) | 0,03% |
| Residual solvents (Ph.Eur/USP) | passes test |
| Sodium di-Hydrogen Phosphate | passes test |
| As | 0,0001 % |
| Fe | 0,002 % |
| Elemental impurities (ICH Q3D): | |
| Class 1 | |
| Cd | 0,5 ppm |
| Pb | 0,5 ppm |
| As | 1 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 |