

**PRODUCT CODE: 141679****di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade** $\text{HNa}_2\text{O}_4\text{P}$ 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:**

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 H2O	0,025 %
Reducing substance to KMnO4	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 (SO ₄)	0,03%
Residual solvents (Ph.Eur/USP)	passes test
Sodium di-Hydrogen Phosphate	passes test
Heavy metals (as Pb)	0,001%
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