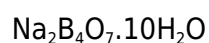
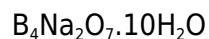


**PRODUCT CODE: 141644****di-Sodium tetra-Borate 10-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade**

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M.= 381,37

CAS [1303-96-4]

EINECS 215-540-4

TARIC 2840 19 90 00

**SYNONYMS:** Borax, Sodium Borate**PHYSICAL DATA:** crystalline powder, White, Soluble in water 50 g/l at 20 °C Thermal decom. above 100 °C • D 1,73 • M.P.: 75 °C • pH(40g/l) 9 - 10 •**BIBLIOGRAPHY:** Merck Index **12**, 8.733 13, 8.662 Sax **SFF000** • Safety **2**, **3155 C** • Römp **8**, **493** • Fieser **4461 15295** • ACS **XI** • ISO 6353/3-1987R - 61, 27 • BP.**2018** • USP **-NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • Directive 96/77/EC •**HAZARDOUS:** RTECS: VZ 2275000 • TDL0 oral rat 37.000 mg/kg • LD L0 oral man 709 mg/kg • LD50 oral mus 2.000 mg/kg • LD50 oral rat 2.660 mg/kg • LD50 ipr mus 2.711 mg/kg TLV-TWA 5 mg/m3 VLA-ED 5 mg/m3

H: H360FD •

P: P201 • P202 • P281 • P308+P313 • P405 • P501 •

**SPECIFICATIONS:**

Assay (Acidim.)

99,0-103,0%

Identity :

Identity according to Pharmacopoeias:

passes test

pH of 4% solution 9,0-9,6

**Maximum limit of impurities**

Appearance of solution	passes test
Insoluble matter in H <sub>2</sub> O	0,025 %
Chloride (Cl)	0,005%
Ammonium (NH <sub>4</sub> )	0,001%
Phosphate (PO <sub>4</sub> )	0,005 %
Sulfate (SO <sub>4</sub> )	0,005%
Residual solvents (Ph.Eur/USP)	passes test
Carbonate and Hydrogen Carbonate	passes test
Heavy metals (as Pb)	0,002%

**Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)**

<b>Class 1A (Pt, Pd)</b>	<b>10 ppm</b>
<b>Class 1B (Ir, Rh, Ru, Os)</b>	<b>10 ppm</b>
<b>Class 1C (Mo, Ni, Cr, V)</b>	<b>25 ppm</b>
<b>Class 2 (Cu, Mn)</b>	<b>250 ppm</b>
<b>Class 3 (Fe, Zn)</b>	<b>1.300 ppm</b>

As	0,0005 %
Ca	0,01 %