

PRODUCT CODE: 145642

Sodium Perborate 4-hydrate (BP, Ph. Eur.) pure, pharma grade

$\text{BNaO}_3 \cdot 4\text{H}_2\text{O}$

$\text{NaBO}_3 \cdot 4\text{H}_2\text{O}$

M.= 153,86

CAS [10486-00-7]

EINECS 231-556-4

TARIC 2840 30 00 00

PHYSICAL DATA: granular powder, White, Soluble in water 23,4 g/l at 20 °C Thermal decom. > 60 °C • D 1,731 • M.P.: 65 °C • pH(15g/l)10 •

BIBLIOGRAPHY: Merck Index **13**, 8.725 Fieser **12452 14290** • **BP.2021** • Ph. Eur. **9.0** (2017) **10.0** (2020) •

HAZARDOUS: C.E: 005-018-01-X • RTECS: SC 7320000 • LD50 oral rat 2.000 mg/kg • LD50 rat 1.165 mg/l • LD50 skn rbt >2.000 mg/kg • TWA 7 mg/m³ Workers Dermal, Prolonged exposure 101 ppm Workers Inhalation, Prolonged exposure 2 mg/m³



H: H318 • H332 • H335 • H360Df •

P: P280 • P305+P351+P338 • P310 • P403+P233 • P405 • P501 •

SPECIFICATIONS:

Assay (Perm.)	96,0-103,0 %
Identity :	
Identity according to Pharmacopoeias:	passes test
pH sol. 1%	10,2-10,6

Maximum limit of impurities

Chloride (Cl)	0,01%
Sulfate (SO ₄)	1,2%
Residual solvents (Ph.Eur.)	passes test

Fe 0,002 %

Elemental impurities (ICH Q3D):

Class 1

Cd 0,5 ppm
Pb 2 ppm
As 1,5 ppm
Hg 1,5 ppm

Class 2A

Co 5 ppm
V 10 ppm
Ni 20 ppm

Class 2B

Tl 2 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