



PRODUCT CODE: 141687

Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade

HNaO

NaOH

M.= 40,00

CAS [1310-73-2]

EINECS 215-185-5

TARIC 2815 11 00 00

SYNONYMS: Caustic Soda

PHYSICAL DATA: White solid as lentils or flakes, frosted, caustic deliquescent, absorbing CO₂ from the air, Soluble in water 1.090 g/l at 20 °C D 2,13 • M.P.: 318 °C • B.P.: 1.390 °C • pH(50g/l)14 •

BIBLIOGRAPHY: Merck Index **13**, 8.701 Sax **SHS000** • Safety **2**, **3144 A** • Römp **8**, **2738** • Kühn-Birett **N 12** • Fieser **5615 7336 8460** • ACS **XI** • ISO 6353/2-1983R - 34, 48 • BP.**2025** • USP -**NF 38** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 JP XV •

HAZARDOUS: C.E: 011-002-00-6 • RTECS: WB 4900000 • VLA-EC 2 mg/m3 DNEL Workers Inhalation, Prolonged exposure 1 mg/m3 DNEL Population Inhalation, long term (local) 1 mg/m3



H: H314 • H290 •

P: P260 • P280 • P303+P361+P353 • P305+P351+P338 • P310 • P501 •

TRANSPORT REGULATIONS: UN: 1823 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • PAX: 859 • CAO: 863 • (E) •

SPECIFICATIONS:

Assay (Acidim.)	98,0-100,5%
Assay (as Na)	54,0-59,8%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Appearance of solution	passes test
Chloride (Cl)	0,0200%

Nitrogen compounds (as N)	0,002%
Phosphate (PO ₄)	0,002 %
Sulfate (SO ₄)	0,0200%
Carbonate (as Na ₂ CO ₃)	1,0%
Residual solvents (Ph.Eur/USP)	passes test
Insoluble substances and organic matter	passes test
Fe	0,0010 %
K	0,5 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	5 ppm
As	1,5 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

Product can present some grey dark-pellets, due to manufacturing process. Product can be used without any concern.