



PRODUCT CODE: 631515

Potassium Hydroxide 85% pellets (Ph. Eur, BP, USP-NF) GMP - IPEC grade

HKO
KOH

M.= 56,11 CAS [1310-58-3] EINECS 215-181-3
TARIC 2815 20 00 00

PHYSICAL DATA: White lumps , pellets or flakes , translucent , caustic , deliquescent , absorbs CO₂ and moisture from the air, Soluble in water 1.120 g/l at 20 °C D 20/4 2,04 • M.P.: 360 °C • B.P.: 1.327 °C • pH(sol. 0.1 M)13,5 •

BIBLIOGRAPHY: Merck Index **12**, 7.806 13, 7.724 Sax **PLJ**500 • Safety **2** , **2904 D** • Römp **8** , **2018** • Kühn-Birett **K 11** • Fieser **1935 2346 3238 4409 5557 6486 7303 8415 9387 11439 12411 13258** • ACS **XI** • ISO 6353/2-1983R - 24 , 32 • BP.**2018** • USP -**NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: C.E: 019-002-00-8 • RTECS: TT 2100000 • LD L0 oral rat 365 mg/kg • LD50 oral rat 273 mg/kg • VLA-EC 2 mg/m3



H: H302 • H314 • H290 •
P: P264 • P260 • P270 • P280 • P301+P312 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P321 • P330 • P338 • P363 • P405 • P501 • P234 • P390 • P406 •

TRANSPORT REGULATIONS: UN: 1813 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • PAX: 859 • CAO: 863 • (E) •

OBSERVATIONS: The form of the pellets can be affected by humidity and temperature. •

SPECIFICATIONS:

Assay (Acidim.)	85,0 - 100,5 %
Identity :	
Identity according to Pharmacopoeias:	
Identity Potassium	passes test
Identity pH	passes test

Maximum limit of impurities

Appearance of solution	
Appearance Clear < formazin I	passes test
Appearance Colourless	passes test
Insoluble substances	passes test

Chloride (Cl)	0,0050 %
Phosphate (PO ₄)	0,0020 %
Sulfate (SO ₄)	0,0050 %
Carbonate (as K ₂ CO ₃)	2,0 %

Residual solvents (Ph.Eur/USP)	passes test
Na	1,0 %
Iron (Fe)	0,0010 %
Heavy metals (as Pb)	0,0010 %

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