

Potassium hydroxide, pellets, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Identification

KOH
M = 56,11 g/mol
CAS [1310-58-3]
EC number: 215-181-3
Taric code: 2815 20 10

Synonyms

Potash caustic, Potassium hydrate, Potassium oxide hydrate

Applications

analytical chemistry, laboratory reagent, titrant in volumetric analysis, synthesis of organic products, in the pharmaceuticals industry.

Specifications

assay (acidimetric).....	85,0 - 100,5%	total nitrogen (as N).....	max. 0,001 %
pH	min. 10,5	aluminium (Al).....	max. 20 ppm
Identification B (EP).....	passes test	calcium (Ca).....	max. 20 ppm
appearance of solution.....	clear and colourless	heavy metals.....	max. 0,001 %
carbonates (as K ₂ CO ₃).....	max. 1,5 %	iron (Fe).....	max. 10 ppm
chlorides (Cl).....	max. 50 ppm	lead (Pb).....	max. 10 ppm
phosphates (as PO ₄).....	max. 5 ppm	magnesium (Mg).....	max. 5 ppm
silicates (SiO ₂).....	max. 100 ppm	nickel (Ni).....	max. 10 ppm
sulfates (SO ₄).....	max. 30 ppm	sodium (Na).....	max. 500 ppm
		zinc (Zn).....	max. 10 ppm

Physical data

- Spec. Density: 2,04 g/cm³
- Solub. in water: (20 °C): soluble
- Melting point: 360 °C
- Boiling point: 1320 °C
- pH(56 g/l H₂O, 20 °C) ~ 14
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.



Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C6 II • UN 1813 • POTASSIUM HYDROXIDE, SOLID
- IMDG: 8 II • UN 1813 • POTASSIUM HYDROXIDE, SOLID
- IATA/ICAO: 8 II • UN 1813 • POTASSIUM HYDROXIDE, SOLID
- PAX: 814
- CAO: 816
- 10°C - 30°C