

Sodium hydroxide, pellets, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur**Identification**

NaOH
M = 40,00 g/mol
CAS [1310-73-2]
EC number: 215-185-5
Taric code: 2815 11 00

Synonyms

Caustic soda

Applications

solutions: to neutralize acids, to make sodium salts, to precipitate metals (as hydroxides) from water solutions of their salts.

Specifications

assay (acidimetric).....	min. 98,5 %	calcium (Ca).....	max. 0,001 %
identity.....	passes test	copper (Cu).....	max. 5 ppm
appearance of solution.....	passes test	heavy metals (as Ag).....	max. 0,002 %
carbonates (as Na ₂ CO ₃).....	max. 1,0 %	iron (Fe).....	max. 5 ppm
chlorides (Cl).....	max. 0,001 %	lead (Pb).....	max. 2 ppm
phosphates (as PO ₄).....	max. 5 ppm	magnesium (Mg).....	max. 5 ppm
silicates (SiO ₂).....	max. 0,001 %	mercury (Hg).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 5 ppm	nickel (Ni).....	max. 5 ppm
ammonium hydroxide precipitate.....	max. 0,02 %	potassium (K).....	max. 0,02 %
total nitrogen (as N).....	max. 0,001 %	zinc (Zn).....	max. 0,001 %
aluminium (Al).....	max. 5 ppm		
arsenic (As).....	max. 1 ppm		

Physical data

- Appearance: pellets, white or almost white, 0,5cm
- Spec. Density: 2,13 g/cm³
- Solub. in water: (20 °C): soluble
- Melting point: 323 °C
- Boiling point: 1390 °C
- pH(50 g/l H₂O, 20 °C) ~ 14
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage.

**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.

P321: Specific treatment (see on this label).

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- MAK: 2 mg/m³
- WGK: 1
- Poison class CH (Swiss): 2

Transport/storage

- ADR: 8 C6 II • UN 1823 • SODIUM HYDROXIDE, SOLID
- IMDG: 8 II • UN 1823 • SODIUM HYDROXIDE, SOLID
- IATA/ICAO: 8 II • UN 1823 • SODIUM HYDROXIDE, SOLID
- PAX: 814
- CAO: 816