

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

**Physical data**

- Appearance: pellets, white or almost white, 0,5cm
- Spec. Density: 2,13 g/cm<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 323 °C
- Boiling point: 1390 °C
- pH(50 g/l H<sub>2</sub>O, 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.  
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 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
- 10°C - 30°C