

Caustic soda, in aqueous solution

CHEMICAL NAME	Sodium hydroxide
CAS NUMBER	1310-73-2
TECHNICAL REQUIREMENTS	<p>Appearance.....clear colourless liquid</p> <p>NaOH, % (m/m)25-45 (PN-ISO 979 – Tashiro indicator)</p> <p>Na₂CO₃, % (m/m)..... max. 0,2</p> <p>NaCl, % (m/m).....max. 0,05</p> <p>SiO₂, mg/kg.....max. 100</p> <p>Fe w/p. na Fe₂O₃, mg/kg.....max. 20</p> <p>Na₂SO₄, mg/kg.....max. 400</p>
GENERAL DATA	<p>Molecular mass..... 40.01</p> <p>Solubility in water.....unlimited</p> <p>Other solvents methanol, diethyl ether, n-octanol, acetone</p> <p>Density at the temperature 20⁰C, g/ml 1,3</p> <p>Freezing temperature, ⁰C.....-12(25%), +10(45%)</p> <p>Boiling temperature, ⁰C118</p>
APPLICATION	<p>Sodium hydroxide is used in the chemical industry, textiles, household chemistry, pulp and paper, rubber, pharmaceuticals. Applies also in the production of pigments and dyes for paints – f.ex. titanium dioxide. In the food industry participates in the cleaning process of the plant. In the pharmaceutical industry is used, among others, for the production of aspirin, salicylic acid or sulfanilamides. It is an important raw material involved in the water treatment process for pH correction. The product meets the European Pharmacopoeia requirements and the production process meets Kosher, Halal, GMO, TSE / BSE requirements.</p>