

## Caustic soda, in aqueous solution

<b>CHEMICAL NAME</b>	Sodium hydroxide
<b>CAS NUMBER</b>	1310-73-2
<b>TECHNICAL REQUIREMENTS</b>	<p>Appearance.....clear colourless liquid</p> <p>NaOH, % (m/m) .....min.45 (PN-ISO 979 – Tashiro indicator)</p> <p>Na<sub>2</sub>CO<sub>3</sub>, % (m/m)..... max. 0,2</p> <p>NaCl, % (m/m).....max. 0,05</p> <p>SiO<sub>2</sub>, mg/kg.....max. 100</p> <p>Fe w/p. na Fe<sub>2</sub>O<sub>3</sub>, mg/kg.....max. 20</p> <p>Na<sub>2</sub>SO<sub>4</sub>, mg/kg.....max. 400</p>
<b>GENERAL DATA</b>	<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 20°C, g/ml ..... 1,5</p> <p>Freezing temperature, °C.....10</p> <p>Boiling temperature, °C .....130</p>
<b>APPLICATION</b>	<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>

