




## Specification

<b>Concerning Product:</b>	
Article number	1310732BN
Trade name / designation / denomination	Ätznatron, Natriumhydroxid, NaOH
CAS number	1310-73-2
Other names / synonyms	•caustic soda, solid; •sodium hydroxide;
EC number	215-185-5
EC index number	011-002-00-6
Customs tariff number / CN code / TARIC	28151200
Molecular weight [g / mol]	39.99711
Formula	NaOH HNaO
<b>Danger</b>  1823, 8 (Ätzende Stoffe), II	
<p>May be corrosive to metals. Causes severe skin burns and eye damage. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: IF IN EYES: IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.</p>	

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	solid small white pearls, colorless, odorless, very hygroscopic	
<b>Identity</b>		
Assay	Na <sub>2</sub> CO <sub>3</sub> ≤ 0,4	%
Assay	Na <sub>2</sub> SO <sub>4</sub> ≤ 100,0	mg/kg
Assay	NaCl ≤ 200,0	mg/kg
Assay	NaClO <sub>3</sub> ≤ 5,0	mg/kg
Assay	NaOH ≥ 99,0	%
<b>Impurities</b>		
Impurity	SiO <sub>2</sub> ≤ 10,0	mg/kg
<b>Elemental Impurities</b>		
Aluminium (Al)	≤ 0,5	mg/kg
Arsenic (As)	≤ 0,3	mg/kg
Calcium (Ca)	≤ 5,0	mg/kg
Cadmium (Cd)	≤ 0,1	mg/kg
Chromium (Cr)	≤ 2,0	mg/kg
Copper (Cu)	≤ 0,1	mg/kg
Iron (Fe)	≤ 10,0	mg/kg
Mercury (Hg)	≤ 0,01	mg/kg
Magnesium (Mg)	≤ 3,0	mg/kg
Manganese (Mn)	≤ 0,1	mg/kg

Nickel (Ni)	≤ 10,0	mg/kg
Lead (Pb)	≤ 0,25	mg/kg
Antimon (Sb)	≤ 0,2	mg/kg
Selenium (Se)	≤ 0,2	mg/kg
Zinc (Zn)	≤ 0,1	mg/kg

**Annotation:**

The product meets the purity requirements:  
European Pharmacopoeia (Ph. Eur.), latest version  
Food Chemicals Codex (FCC), latest version

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Mar. 2022

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