

Caustic Soda pearl Specification

Chemical Name: Molecular formula: NaOH
No.CAS 1310-73-2
Abbreviation: Caustic Soda

General Description:

Caustic soda pearls is obtained from sodium hydroxide - technical grade, by electrolytic process. It is a solid white, hygroscopic, odorless substance. Caustic soda pearls easily dissolves in water, with heat release. The product is soluble in methyl and ethyl alcohols. Sodium hydroxide is a strong electrolyte (completely ionized in both crystalline and solution states). Sodium hydroxide is not volatile, but it rises easily in air as aerosols. It is insoluble in ethyl ether.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	pearls	visual
Sodium hydroxide (NaOH), min.	%	99	STAS 3068
Sodium carbonate (Na ₂ CO ₃), max.	%	0.7	STAS 3068
Sodium chloride (NaCl), max	%	0.10	STAS 3068
Iron oxides (Fe ₂ O ₃), max.	%	0.004	STAS 3068

Specific Properties:

pH	Strongly alkaline 1390°C
Boiling point Ignition temperature	Not ignitable
Relative density(water=1)	2.13 at 25°C

The values of those characteristics are approximated, and are only for general information and are not part of the technical quality conditions.

Main Applications:

Petroleum industry (petroleum products refining)

Chemical industry (dyes, water treatment)

Pulp and paper industry (wood treatment)

Textile industry , Metallurgy industry(alumina) , Soap and detergents industry

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