

i GENERAL DESCRIPTION

Caustic soda solution (sodium hydroxide solution) is obtained through the electrolysis of brine using membrane technology. It is a clear, colorless and odorless liquid.

Q TECHNICAL QUALITY CONDITIONS

No.	Properties	U.M.	Admissibility conditions
1	Appearance	-	clear to slightly opalescent liquid
2	Color		colorless or faintly colored
3	Sodium Hydroxide content	%	min. 48
4	Carbonate content expressed as Na ₂ CO ₃ (reported to NaOH content)	%	max. 0.5
5	Arsenic content (reported to NaOH content)	mg/kg	max. 3
6	Lead content (reported to NaOH content)	mg/kg	max. 0.5
7	Mercury content (reported to NaOH content)	mg/kg	max. 0.1

Note: product belongs to food additives category, E 524

A USES

- washing, including fruits and vegetables chemical peel
- production of caramel coloring, chocolate and cocoa processing
- beverages processing
- ice cream thickening agent
- olives softening (by soaking in sodium hydroxide solution)
- scalding poultry
- bakery glazing agent (e.g. pretzels) before baking in order to become crispy

📦 PACKING

- in railway steel tanks, anti-corrosion protected, provided with heating coils necessary to product defrosting when unloading on cold weather
- in road tankers anti-corrosion protected
- propylene vessels
- other packages resistant to the action of the product, that provides the qualitative and quantitative integrity of the product

🏠 STORAGE

in anti-corrosive protected steel tanks, tightly closed; the storage area must be proper ventilated, protected against humidity, separated from incompatible substances; since 48% sodium hydroxide solution has a tendency to crystallize (freeze) at temperatures under 12°C, for product unloading on cold weather will be ensured a liquid temperature of minimum 25°C

🚚 TRANSPORT

by anti-corrosive protected railway tanks/road tankers; the transport in other anti-corrosive protected packages will be done only in ADR approved vehicles, separately from other incompatible substances; during cold weather the tanks must be equipped with heating coils