

NaOH

**SODIUM HYDROXIDE
COMMERCIAL GRADE**
(Sodium hydroxide, caustic soda)

CAS № 1310-73-2
GOST R 55064-2012



Technical properties:

Indicator description	Brand TR	Brand RD	
		The highest grade	First grade
Appearance	White flakes can be pale colored	Colorless or colored liquid. Crystallized precipitate can be present	
Mass fraction of hydroxide sodium, %, min	98.5	46.0	44.0
Mass fraction of sodium carbonate, %, max	0.8	0.6	0.8
Mass fraction of sodium chlorate, %, max	0.05	3.0	3.8
Mass fraction of iron, %, max	0.004 (calculated as iron oxide III)	0.007 (calculated as iron oxide III)	0.02 (calculated as iron oxide III)
Sum of mass fractions of iron and aluminum oxides, %, max	0.02	Not rated	Not rated
Mass fraction of silicon acid calculated as silicon dioxide, %, max	0.02	Not rated	Not rated
Mass fraction of sodium sulphate, %, max	0.03	Not rated	Not rated
Mass fraction of calcium and magnesium calculated as calcium, %, max	0.01	Not rated	Not rated
Mass fraction of sodium chlorate, %, max	0.01	0.25	0.3
Sum of mass fraction of heavy metals precipitated by H ₂ S calculated as lead, %, max	0.01	Not rated	Not rated
Mass fraction of mercury, %, max	0.0005	Not rated	Not rated
Mass fraction of nickel, %, max	Not rated	Not rated	Not rated

Note: normal limits of impurities in this table are given in terms of sodium hydroxide with mass fraction 100%

METHOD OF PRODUCTION. RD brand (diaphragm solution) — electrolysis of sodium chloride solution. TR brand (solid, mercury) — subsequent evaporation of liquid caustic soda brand A.

APPLICATION. It is used in processes of organic synthesis, in refinery, in textile industry for production of viscous silk and as a bleacher for textiles, in paper, aniline and paint industry, in soap making, in the production of aluminum and metal sodium, soluble glass, alkaline accumulators, Trilonum B.

SAFETY REQUIREMENTS. 2nd class of hazard regarding its effect on body.

OFFICIAL REGISTRATION. Product is registered in potentially hazardous chemical and biological substances register of the Russian Federation.

TRANSPORTATION AND PACKING. Transportation by rail and road. Packing RD brand — in rail tank cars and tank containers on the platform. TR brand — steel drums 25-250 dm³, in a cardboard spirally wound drums 25-100 dm³ with inserted plastic bags (plastic film thickness is 0.1000 mm), polyethylene drums 48-227 dm³, the intermediate bulk containers, in the wet-strong polymeric or multiwall paper bags.

GUARANTEED SHELF LIFE. One year from the date of manufacture.

1st Golutvinsky lane 6, Moscow, 119180, Russia
Tel.: +7 (495) 532-04-40 | +7 (495) 970-00-09
E-mail: info@td-bkh.ru | www.td-bkh.ru