



GB 1886.20-2016

National Food Safety Standard Food Additive Sodium Hydroxide

食品安全国家标准 食品添加剂 氢氧化钠

Competent authority: National Health and Family Planning
Commission of the People's Republic of China (NHFPC)

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food@chemlinked.com



National Standard of the People's Republic of China

GB 1886.20-2016

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Food additive Sodium hydroxide
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ChemLinked Team, REACH24H Consulting Group | <http://chemlinked.com>

14F, #3 Bldg., Haichuang Technology Center, No. 1288 Wenyi West Road, Hangzhou, China. PC: 311121

Tel: +86 571 86094444 Fax: +86 571 8700 7566 Email: food@chemlinked.com

Foreword

This standard replaces GB 5175–2008 “Food additive Sodium hydroxide”.

Compared with GB 5175–2008, the major changes of this standard are as follows:

——the Chinese name of this standard has been revised to “National food safety standard Food additive Sodium hydroxide”;

National food safety standard

Food additive Sodium hydroxide

1 Scope

This standard applies to food additives sodium hydroxide.

2 Molecular Formula and Relative Molecular Mass

2.1 Molecular formula

NaOH

2.2 Relative molecular mass

40.00 (according to the international relative atomic mass in 2007)

3 Technical Requirements

3.1 Sensory requirements

Sensory requirements shall comply with the provisions of Table 1.

Table 1 Sensory requirements

Items	Requirements		Test methods
	Solid sodium hydroxide	Liquid sodium hydroxide	
Color	White or almost white	Clear or slightly muddy, colorless or pinkish	Take appropriate amount of test sample and place in a clean and dry porcelain plate and observe the color and state under natural light.
State	Solid	Liquid	

3.2 Physicochemical indicators

Physicochemical indicators shall comply with the provisions of Table 2.

Table 2 Physicochemical indicators

Items	Indicators		Test methods
	Solid sodium hydroxide	Liquid sodium hydroxide	
Total alkali content (as NaOH), <i>w</i> /%	98.0~100.5	98.0 ^a ~103.5 ^a	A.4 in Annex A
Sodium carbonate (Na ₂ CO ₃), <i>w</i> /%	≤ 2.0		A.4 in Annex A
Arsenic (As) / (mg/kg)	≤ 3.0		GB 5009.76
Heavy metals (as Pb) / (mg/kg)	≤ 5		GB 5009.74
Insoluble matters and organic impurities	Pass the test		A.5 in Annex A

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