

Specification

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Date 04/05/2020
RS

Chemical Name	SODIUM HYDROXIDE
Formula	NaOH
CAS-No	1310-73-2

Product code: 10314

Purity: current EP, NF + add. requirements

Description: white or nearly white pellets
odorless, deliquescent in air, hygroscopic

General product information:

Solubility in water: 1090g/L (20°C)
Molar mass: 40.0g/mol
Melting point: 323°C

Other qualities available: Special parameters and limits are available on request.

Storage recommendation: Keep container tightly closed in a cool, well-ventilated place at ambient conditions.

Shelf life: Can be kept for 2 years, if stored properly

Package information

Material:	Package:	Packages:
10314xxxx001	25kg	Drum / PE-bag
	special customer's packaging possible	

Safety: see safety data sheet

Applications: - pharmaceutical use (excipient)

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Chemical Name **SODIUM HYDROXIDE**
Formula NaOH
CAS-No 1310-73-2

Specification:

Parameter	Unit	Specification
Identity A (EP)		cor. to test
Identity B (EP)		cor. to test
Identity A (NF)		cor. to test
Identity B (NF)		cor. to test
Appearance of solution (EP)		cor. to test
Insoluble substances and organic matter (NF)		cor. to test
Assay (EP)	%	≥ 98.0
Assay (NF)	%	95.0 – 100.5
Carbonates (EP)	mg/kg	≤ 20 000.0
Carbonates (NF)	mg/kg	≤ 30 000.0
Chlorides	mg/kg	≤ 200.0
Aluminum (ICP-OES)	mg/kg	≤ 10.0
Sulphates	mg/kg	≤ 200.0
Lead (ICP-OES)	mg/kg	≤ 5.0
Heavy metals	mg/kg	≤ 20.0
Nickel (ICP-OES)	mg/kg	≤ 10.0
Calcium (ICP-OES)	mg/kg	≤ 50.0
Iron	mg/kg	≤ 10.0
Sodium	%	54.0 – 59.8
Potassium	%	≤ 0.1
Bacteria endotoxins	IU/g	≤ 2.5


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Typical Certificate of Analysis

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(RS)

Asia Chemie

THAILAND

CAS-No.: 1310-73-2
Molecular weight: 40.0g/mol
Formula: NaOH
Solubility in water: 1090g/L (20°C)
Melting point: 323°C

Article code	Batch	Manufacturing date	Retest date
10314	2020143736	11/2019	11/2021

Sodium hydroxide

Purity: current EP, NF + add. requirements

Parameter	Unit	Result	Specification
Identity A (EP, BP)		complies	cor. to test
Identity B (EP, BP)		complies	cor. to test
Identity A (NF)		complies	cor. to test
Identity B (NF)		complies	cor. to test
Appearance of solution (EP, BP)		complies	cor. to test
Insoluble subst. and organic matter (NF)		complies	cor. to test
Assay (EP, BP)	%	99.2	≥ 98.0
Assay (NF)	%	99.5	95.0 – 100.5
Carbonates (EP, BP)	mg/kg	10 100.0	≤ 20 000.0
Carbonates (NF)	mg/kg	< 30 000.0	≤ 30 000.0
Chlorides	mg/kg	< 200.0	≤ 200.0
Aluminum (ICP-OES)	mg/kg	< 5.0	≤ 10.0
Sulphates	mg/kg	< 200.0	≤ 200.0
Lead (ICP-OES)	mg/kg	< 0.5	≤ 5.0
Heavy metals	mg/kg	< 5.0	≤ 20.0
Nickel (ICP-OES)	mg/kg	< 10.0	≤ 10.0
Calcium (ICP-OES)	mg/kg	0.3	≤ 50.0
Iron	mg/kg	< 10.0	≤ 10.0
Sodium	%	57.1	54.0 – 59.8
Potassium	%	< 0.05	≤ 0.10
Bacteria Endotoxins	IU/g	< 2.5	≤ 2.5

This batch corresponds to "Purity: current EP, NF + add. requirements".
This certificate does not release the buyer from product control on receipt.


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