

Certificate of Analysis

Product Name:

Sodium hydroxide pellets, *PurSure*, meets analytical specifications of USP-NF, BP, EP, JP, ≥98.0%

Product No.: PSR50143
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 1310-73-2
Molecular Formula: NaOH
Molecular Weight: 40.00 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White Pellets	White Pellets
Assay (By Titration)	≥ 98.0 %	99.62 %
Assay (Na)	54.0 - 59.8 %	57.2 %
Identity Test	Complies	Complies
Appearance of Solution	Complies	Complies
Insoluble substances and organic matter	Complies	Complies
Arsenic (As)	NMT 0.0003 %	<0.0003 %
Aluminium (Al)	NMT 0.001 %	<0.001 %
Calcium (Ca)	NMT 0.005 %	<0.005 %
Copper (Cu)	NMT 0.0005 %	<0.0005 %
Iron (Fe)	NMT 0.0010 %	<0.0010 %
Lead (Pb)	NMT 0.00005 %	<0.00005 %
Magnesium (Mg)	NMT 0.002 %	<0.002 %
Mercury (Hg)	NMT 0.00001 %	<0.00001 %
Nickel (Ni)	NMT 0.001 %	<0.001 %
Potassium (K)	NMT 0.05 %	< 0.05 %
Zinc (Zn)	NMT 0.0025 %	<0.0025 %
Carbonate (as Na ₂ CO ₃)	NMT 0.5 %	<0.5 %
Chloride (Cl)	NMT 0.015 %	<0.015 %
Heavy metals (as Ag)	NMT 0.002 %	<0.002 %
Heavy metals (as Pb)	NMT 0.0005 %	<0.0005 %
Phosphate (PO ₄)	NMT 0.001 %	<0.001 %
Silicate (SiO ₂)	NMT 0.010 %	<0.010 %
Sulfate (SO ₄)	NMT 0.010 %	<0.010 %
Total nitrogen (N)	NMT 0.0005 %	<0.0005 %
Residual solvents (EP/USP)	Not Detected	Not Detected

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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