

Certificate of Analysis

Product Name:

Sodium hydroxide pellets, *PurReagent Plus*, Meets analytical specification of EP, BP, USP-NF, ChP, JP, ≥98.0%

Product No.: PSR50577
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 %	99.65 %
Assay (Sodium test)	54.0 - 59.8 %	57.5 %
Appearance of solution	Complies	Complies
Identity Test	Conforms	Conforms
Insoluble substances and organic matter	Conforms	Conforms
Residual solvents Test	Complies	Complies
Arsenic (As)	NMT 0.0003 %	< 0.0003 %
Aluminium (Al)	NMT 0.001 %	< 0.001 %
Copper (Cu)	NMT 0.0005 %	< 0.0005 %
Carbonate (as Na ₂ CO ₃)	NMT 0.500 %	< 0.500 %
Chloride (Cl)	NMT 0.015 %	< 0.015 %
Heavy metals (as Pb)	NMT 0.0005 %	< 0.0005 %
Iron (Fe)	NMT 0.0010 %	< 0.0010 %
Lead (Pb)	NMT 0.00005 %	< 0.00005 %
Mercury (Hg)	NMT 0.00001 %	< 0.00001 %
Total nitrogen (N)	NMT 0.0005 %	< 0.0005 %
Phosphate (PO ₄)	NMT 0.002 %	< 0.002 %
Potassium (K)	NMT 0.100 %	< 0.100 %
Silicate (SiO ₂)	NMT 0.010 %	< 0.010 %
Sulfate (SO ₄)	NMT 0.010 %	< 0.010 %
Zinc (Zn)	NMT 0.0025 %	< 0.0025 %

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 a 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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