

Certificate of Analysis

Product Name:

Sodium bicarbonate ACS PurReagent Plus, Reag. Ph. Eur., powder, ≥99.7%

Product No.: PSR50548
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 144-55-8
Molecular Formula: NaHCO_3
Molecular Weight: 84.01 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White Powder	White Powder
Assay (on dried basis)	99.7 - 100.3 %	99.99 %
Water Insoluble Matter	NMT 0.015 %	0.012 %
pH (5%, 25°C)	8.0 – 8.6	8.2
Ammonium (NH_4)	NMT 5 ppm	< 5 ppm
Arsenic (As)	NMT 2 ppm	< 2 ppm
Calcium (Ca)	NMT 100 ppm	< 100 ppm
Cadmium (Cd)	NMT 0.0005 %	< 0.0005 %
Cobalt (Co)	NMT 50 ppm	< 50 ppm
Copper (Cu)	NMT 0.0005 %	< 0.0005 %
Iron (Fe)	NMT 5 ppm	< 5 ppm
Potassium (K)	NMT 0.005 %	< 0.005 %
Magnesium (Mg)	NMT 0.005 %	< 0.005 %
Nickel (Ni)	NMT 50 ppm	< 50 ppm
Lead (Pb)	NMT 0.0005 %	< 0.0005 %
Zinc (Zn)	NMT 0.0005 %	< 0.0005 %
Heavy Metals (as Pb)	NMT 5 ppm	< 5 ppm
Chloride (Cl)	NMT 30 ppm	< 30 ppm
Phosphate (PO_4)	NMT 0.001 %	< 0.001 %
Sulfate (SO_4)	NMT 150 ppm	< 150 ppm
Residual Solvents	Complies	Complies

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

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