

Certificate of Analysis

Product Name:

Sodium bicarbonate (powder), *PurReagent Plus*, meets analytical specification of EP, BP, USP, 99.0-100.5%

Product No.: PSR50725
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 144-55-8
Molecular Formula: CHNaO₃
Molecular Weight: 84.01 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White Powder	White Powder
Assay (By Titration) (On Dried Basis)	99.0 - 100.5%	99.94 %
Loss on Drying	NMT 0.25 %	0.098 %
pH (5%, 20 ° C)	NMT 8.6	8.1
pH (C = 1% Solution)	8.0 - 8.6	8.2
Water-Insoluble Matter	Complies	Complies
Sodium Component (By ICP)	Conforms	Conforms
Ammonium (NH ₄)	NMT 20 ppm	< 20 ppm
Aluminium (Al)	NMT 2 ppm	< 2 ppm
Arsenic (As)	NMT 2 ppm	< 2 ppm
Calcium (Ca)	NMT 100 ppm	< 100 ppm
Chloride (Cl)	NMT 150 ppm	< 150 ppm
Iron (Fe)	NMT 20 ppm	< 20 ppm
Lead (Pb)	NMT 2 ppm	< 2 ppm
Mercury (Hg)	NMT 1 ppm	< 1 ppm
Sulfate (SO ₄)	NMT 150 ppm	< 150 ppm
Total Sulfur Content	NMT 150 ppm	< 150 ppm
Identification by IR	Conforms to structure	Conforms to structure

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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