64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Calcium Carbonate PH ExciPur

According to monographs: USP
Standard GMP Grade

Product No.:	PSR47572
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	471-34-1
Molecular Formula:	$CaCO_3$
Molecular Weight:	100.09 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	White or almost white powder	White powder
Assay (dried basis) (by Titration)	98.0 – 100.5 %	99.45 %
Loss on drying at 200ºC for 4 h	NMT 2.0 %	0.85 %
Identification Test	Conforms	Conforms
Acid insoluble substances	NMT 0.2%	0.17 %
Arsenic (As)	NMT 3 ppm	< 0.1 ppm
Lead (Pb)	NMT 3 ppm	< 0.1 ppm
Barium (Ba)	Passes test	Passes test
Mercury (Hg)	NMT 0.5 ppm	< 0.3 ppm
Heavy metals	NMT 20 ppm	< 20 ppm
Iron (Fe)	NMT 0.1%	< 0.1 %
Limit of Fluoride	NMT 50 ppm	< 50 ppm
Limit of magnesium and alkali salts	NMT 1.0 %; the weight of the residue is NMT 5 mg.	Conforms

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

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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

Retest period: 24 months

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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