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PureSynth®
Research Chemicals

Product Specification

Product Name:
Calcium Carbonate PH ExciPur
According to monographs: USP
Standard GMP Grade

Product No.:	PSR47572
Brand:	PureSynth
CAS No.:	471-34-1
Molecular Formula:	$CaCO_3$
Molecular Weight:	100.09 g/mol

$CaCO_3$

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

Specification: EP-1.0-QA/002

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com