

Product Specification

Product Name:

Calcium carbonate **PurTech Standard [Includes all characterization data]**
(Secondary Reference Standard)

Product No.: PSI539
Brand: PureSynth
CAS No.: 471-34-1
Molecular Formula: CaCO_3
Molecular Weight: 100.09 g/mol



Test	Specification
Appearance	White Powder
Assay (By Titration)	$\geq 98.5 \%$
Water (By KF)	NMT 0.200 %
Potency	-
Density	2.925 - 2.935 g/cm ³
Identification by ¹ H NMR	Conforms to structure
Identification by Mass	Conforms to molecular mass
Identification by IR	Conforms to structure

***Traceable to USP Reference standard 1086403, Lot No: R166C0.**

Specification: PT-1.0-QA/120, Ver. No. 1.1, 30.07.2026.

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