

# Calcius™ P50

CalciumCarbonate

Specifically manufactured for your pharmaceutical formulations.



Personal wellness and preventative healthcare play a critical role in experiencing happier, healthier lives. Engineered to fulfill specific needs within the human body, Calcius products are produced according to current Good Manufacturing Practices (cGMP) as high purity pharmaceutical ingredients that exceed industry standards.

## Life Elements

Food&Pharma by Imerys Carbonates

Life Elements by Imerys Carbonates help fortify, brighten, and enhance the quality of the products we all need to thrive.

Calcius calcium carbonate is used as an active ingredient in antacids, multi-vitamins, mineral supplement tablets, chewables, and gummies.

When choosing a calcium ingredient, Imerys Carbonates offers a variety of options that provide the flexibility to meet your specific processing conditions and formulation needs.

Imerys' Calcius product portfolio is a high brightness precipitated calcium carbonate that is in compliance with monograph 0014 of the European Pharmacopoeia and the United States Pharmacopeia (USP) monograph 29 and exceeds the exacting USP standards and the requirements for California Proposition 65 regarding trace lead levels.

## SPECIFICATION

PROPERTY	ANALYTICAL METHOD PH.EUR	LIMITS	TYPICAL VALUE	UNIT
Assay: CaCO <sub>3</sub>	Ph. Eur. IX	98,5 - 100,5	99	%
Identification: carbonates	Ph. Eur. IX	Positive	Conforms	-
Identification: calcium	Ph. Eur. IX	Positive	Conforms	-
Substances insoluble in acetic acid	Ph. Eur. IX	≤ 0,20	0.06	%
Loss on drying (200 °C)	Ph. Eur. IX	≤ 2,0	1,1	%
Magnesium and alkali salts	Ph. Eur.	≤ 1,5	1,2	%
	USP 42	≤ 1,0	0.9	%
Chlorides	Ph. Eur. IX	≤ 330	≤ 330	ppm
Sulphates	Ph. Eur. IX	≤ 0,25	≤ 0,25	%
Arsenic	Ph. Eur. IX	≤ 4	< 2	ppm
	USP 42	≤ 3	< 2	ppm
Iron	Ph. Eur. IX	≤ 200	≤ 200	ppm
Barium	Ph. Eur. IX	Any Opalescence in the solution is not more intense than that in a mixture of 10 mL of solution S and 10 mL of distilled water R.	Conforms	-
Lead	ICP-MS (Prop 65)	≤ 250	≤ 250	ppb
Fluoride	USP 42	≤ 50	38	ppm
Mercury	USP 42	≤ 0,5	< 0,1	ppm

## TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	UNIT
Elemental calcium	39.6	%
Colour L* value	98,5	%
Brightness	≥ 98,0	%
Average particle size D <sub>50</sub>	5,0	µm
Tapped density	0,90	g/cm <sup>3</sup>
Surface area	2,5	m <sup>2</sup> /g
EC Number: 207-439-9	CAS Number: 471-34-1	



To learn more about Life Elements by Imerys Carbonates and to place your order, contact:

**IMERYS Belgium**

Tel: +32 4 379 98 29

CarbonatesCS.EMEA@imerys.com | www.imerys-carbonates.com



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