

# EP/USP Grade PCC

## Precipitated Calcium Carbonate (PCC)

### Product Description

The CALOPAKE® and STURCAL® precipitated calcium carbonate (PCC) grades, manufactured at Specialty Minerals Lifford, are Scalenohedral Calcite, microcrystalline white powders characterized by their high chemical purity, controlled particle shape and particle size distribution. In addition to EP and USP certification, all CALOPAKE® and STURCAL® PCC products meet the E170i purity standards, and are Kosher and Halal certified, Gluten Free and Vegan.

The CALOPAKE® and STURCAL® PCC products encompasses a wide range of particle sizes, from 1.8 micron up to 7.0 microns, with a broad spectrum of physical properties such as surface area and tapped density. The controlled particle size and morphology presents the formulator with the tools to optimize product performance and sensory qualities in a wide variety of consumer products.

In pharmaceuticals, CALOPAKE® and STURCAL® PCC products are used as an active ingredient or excipient, providing 40% calcium content, the highest elemental calcium concentration of all calcium sources. In Food and Beverage, CALOPAKE® and STURCAL® PCC products provide an economical solution for calcium fortification, better mouth feel than ground calcium carbonate options, neutral organoleptic properties, good suspension, and shelf stability. These products are also widely used in dentifrice applications because of specific flow and polishing properties.

### Typical Physical Properties

TEST	UNITS	CALOPAKE® Extra Light	Calopake® 5970	Sturcal® L
Appearance	---	White powder	White powder	White Powder
Tapped (Apparent) Density	g/ml	0.42 to 0.50	0.52 to 0.59	0.78 to 0.96
Median Particle Size (Microns by sedigraph)		1.8	2.0	7.0
45 µm (British Standard) sieve residue	%	0.15 max	0.15 max	---
75 µm (British Standard) sieve residue	%	---	---	0.3 max
Loss on drying (@200°C for 4 hrs)	%	2.0 max	2.0 max	2.0 max
Colour	L Value	98.0	98.0	98.0

\*\* Values listed are typical, not to be considered as specifications of the product.

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### FEATURES

- ▶ Meets current EP and USP Pharmacopeia standards
- ▶ Meets Current E170i standards
- ▶ Can be used in whitening applications
- ▶ High Bioavailability
- ▶ Controlled particle morphology

### BENEFITS

- ▶ Can be an active ingredient or excipient in pharmaceutical applications
- ▶ Better mouth feel than ground carbonates
- ▶ Provides good suspension and shelf stability
- ▶ Highest calcium concentration
- ▶ Excellent source of calcium fortification
- ▶ Available Globally

### SHIPPING INFORMATION

CALOPAKE® and Sturcal® precipitated calcium carbonate ships from Birmingham, UK.

For availability and minimum order quantity, contact customer service.

### SALES OFFICES

Birmingham, UK  
0044-121-252-4500

Bethlehem, PA, USA  
800-801-1031

[www.mineralstech.com](http://www.mineralstech.com)