The STURCAL® precipitated calcium carbonate (pcc) grades, manufactured at Specialty Minerals Lifford, are microcrystalline white powders characterised by their high chemical purity, controlled particle shape and size distribution.

The STURCAL® F pcc grade consists of agglomerated acicular aragonite crystals.

STURCAL® F pcc meets the requirements of the current British, European and United States Pharmacopoeia. It also meets the requirements of the Food Chemicals Codex and the Miscellaneous Food Additives regulations E170i. The manufacture of STURCAL® F pcc by Specialty Minerals Lifford is covered by a Certificate of Suitability for pharmaceutical applications.

**APPLICATIONS:**

STURCAL® F pcc is manufactured primarily for use in the pharmaceutical, personal care and food industries.

The high elemental calcium content of STURCAL® F pcc makes it an ideal choice for food fortification applications and as a calcium supplement. Its small particle size makes it effective for the fortification of beverages where suspension stability is important.

STURCAL® F pcc is widely used in antacid formulations.

The controlled particle size of STURCAL® F pcc make it suitable for dentifrice applications where low abrasivity and consistent viscosity and mouth feel are required.

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**Test** | **Units** | **STURCAL® F pcc**
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Appearance | White powder | |
Apparent density | g/ml | 0.45 to 0.56 |
Argonite content | % | 50 min. |
+75 µm sieve residue | % | 0.3 max. |
Residual alkalinity | ml of 1M HCl/10g | 0.5 max. |

STURCAL® F pcc is supplied to the above specification unless otherwise formally agreed.
PACKAGING:
STURCAL® F pcc is available packed in 25kg paper sacks which are palletised and shrink wrapped in 1 tonne unit loads.
We are happy to discuss alternative packaging to meet specific customer requirements.

MANUFACTURING:
Specialty Minerals Inc. (SMI) is a wholly owned subsidiary of Minerals Technologies Inc. and is the world’s largest producer of precipitated calcium carbonate with manufacturing plants around the world.
As part of Specialty Minerals Lifford’s commitment to quality and the environment our Management Systems are certified to BS EN ISO 9001:2000 and BS EN ISO 14001:1996.

STORAGE AND HEALTH & SAFETY:
When stored in original packaging in dry conditions STURCAL® F has a shelf-life of 5 years. For advice on handling of STURCAL® F please refer to the separate Safety Data Sheet which is available upon request.

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