

CC food 77%

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General Description

CC food is produced under strict supervision to ensure high levels of purity and consistency. The product complies with EC 2012/231, FCC and FAO standards. To ensure that the product meets our stringent demands, comprehensive analysis techniques are employed before the product is shipped. A Certificate of Analysis is provided with this product.

Applications

CC food is used in a multitude of applications within the food and beverage industries. It is used:

- * In cheese manufacturing in combination with rennet to accelerate coagulation.
- * For production of beer and soft drinks to adjust mineral content.
- * For fresh fruits, canned fruits and pickled vegetables to increase firmness and shelf life.
- * Production of calcium tartrate.
- * Mineralization of water.

Availability & Packaging

CC food 77% is produced in Finland. The product is available worldwide in the packaging options shown in this PDS.

Safety and Handling

Before using this product, refer to the MSDS available on our website for complete safety and handling guide-lines.

CC food Packaging

Package	Dimensions LxWxH	Units
25 kg Bag	1080x1070x1050	42/Pallet
1000 kg Big Bag	1000x1000x1350	1
Bulk	N/A	N/A

Physical Properties

Appearance	White flakes
Odor	None
Bulk density	800 to 900 kg/m ³

Typical Sieve Analysis

Sieve	Approximate % passing
6.3 mm	100
4 mm	90
2 mm	30
1 mm	10

Specifications

• Food Chemicals Codex (FCC)	Most recent edition
• EC 2012/231	
• DIN 19626	
• FAO/JECFA 2004	
• ISO 9001 / 14001 / 45001	
• ISO 22000	

Chemical Properties

Parameter	Unit	Specification	Typical value	FCC
CaCl ₂ concentration	%	≥ 77	78	75-81
Dihydrate CaCl ₂ *2H ₂ O	%	99-107	103	99-107
Residual mass as H ₂ O	%	N/A	18-22	N/A
pH (in 5% CaCl ₂ solution at 20°C)	-	9-11	10.4	4.5-11
Mg and alkali salts	%	≤ 4.0	2	< 4.0
Insoluble in water	%	≤ 0.20	0.05	N/A
Alkalinity as Ca(OH) ₂		≤ 0.15	0.13	N/A
F	mg/kg	≤ 40	18	< 40
Heavy metals (as Pb)	mg/kg	≤ 20	< 20	N/A
Fe	mg/kg	≤ 5	1	N/A
Pb	mg/kg	≤ 2	1	< 5
As	mg/kg	≤ 1	< 0.01	< 3
Hg	mg/kg	≤ 0.5	< 0.01	N/A

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