

# CC food® 77%

Calcium chloride food grade flakes  
Dihydrate  
E 509



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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 various applications within the food and beverage industries. Some examples of common applications are:

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

For more information on applications please visit:  
[www.cfood.eu](http://www.cfood.eu)

## 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. CC food® is a hygroscopic product and should be stored indoors on pallets at normal temperatures. If stored according to recommendations, the shelf life is two (2) years.

## CC food® Packaging

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

## Physical Properties

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

## Chemical Properties

Parameter	Unit	Specification	Typical value	FCC 10th ed limit
CaCl <sub>2</sub> concentration	%	≥ 77	78	75-81
Dihydrate CaCl <sub>2</sub> *2H <sub>2</sub> O	%	99-107	103	99-107
Residual mass as H <sub>2</sub> O	%	N/A	18-22	N/A
pH (in 5% CaCl <sub>2</sub> solution at 20°)	-	9-11	10.4	N/A
Mg and alkali salts	%	<4.0	2	<4.0
Insoluble in water	%	< 0.20	0.05	N/A
Alkalinity as Ca(OH) <sub>2</sub>	%	≤ 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	<1	< 0.01	N/A

## Typical Sieve Analysis

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

## Specifications

- Food Chemicals Codex (FCC), 11th edition, 2019
- EC 2012/231
- DIN 19626
- FAO/JECFA 2004

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