



# CC food 77%

Calcium chloride food grade flakes

## 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.

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

## 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 <sup>3</sup>

## 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 <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°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) <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	≤ 0.5	< 0.01	N/A

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