



# CC food 34%

Calcium chloride food grade liquid



## 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 34% is produced in Finland. It is available as a bulk liquid in tank trucks or in 1000 litre IBCs.

## Safety and Handling

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



## Physical Properties

Appearance	Clear, colorless to slightly yellow
Odor	None
Typical crystallization temperature	- 20 °C
Typical density @ 20 °C	1.33 kg/L

## 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	%	≥ 34	34.3	90-110% of labelled value
Residual mass as H <sub>2</sub> O	%	N/A	64-66	N/A
pH (in 5% CaCl <sub>2</sub> solution at 20 °C)		9-11	10.4	4.5-11
Mg and alkali salts	%	≤ 1.5	1.0	1.7
Insoluble in water	%	≤ 0.10	< 0.05	N/A
Alkalinity as Ca(OH) <sub>2</sub>	%	≤ 0.15	0.05	0.3
F	mg/kg	≤ 10	< 10	< 13
Heavy metals (as Pb)	mg/kg	≤ 20	≤ 20	N/A
Fe	mg/kg	≤ 3	1	N/A
Pb	mg/kg	≤ 0.8	< 0.8	1.4
As	mg/kg	≤ 0.4	< 0.4	1
Hg	mg/kg	≤ 0.4	< 0.4	N/A
Ba	mg/kg	N/A	1	N/A
Br	mg/kg	N/A	350	N/A

FCC limit values are recalculated to levels in the product at actual concentration.

## [www.onetetra.com](http://www.onetetra.com)

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