

# CC food® 36%

Calcium chloride food grade liquid  
E 509

CC  
food®

## TETRA Chemicals Europe

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Material no.: 15545  
Vendor no.: 87804  
Approved by.: AT  
Antti Takala

## 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.ccfood.eu](http://www.ccfood.eu)

## Availability

CC food® 36% is produced in Sweden. 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	-7° C
Typical density @ 20°C	1.35 kg/L

## Chemical Properties

Parameter	Unit	Specification	Typical value	FCC 10th ed limit
CaCl <sub>2</sub> concentration	%	> 36	36.3	90-110% of labelled value
Residual mass as H <sub>2</sub> O	%	N/A	62-64	N/A
pH (in 5% CaCl <sub>2</sub> solution at 20°)	-	7-9	7.9	4.5-11
Mg and alkali salts	%	< 0.4	0.15	1.7
Insoluble in water	%	N/A	< 0.01	N/A
Alkalinity as Ca(OH) <sub>2</sub>	%	< 0.10	< 0.01	0.3
F	mg/kg	< 10	< 7	13
Heavy metals (as Pb)	mg/kg	< 7	< 7	N/A
Fe	mg/kg	< 3	0.2	N/A
Pb	mg/kg	< 0.6	0.2	1.4
As	mg/kg	< 0.1	< 0.05	1
Hg	mg/kg	< 0.05	< 0.005	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.

## Specifications

- Food Chemicals Codex (FCC), 10th edition, 2016
- EC 2012/231
- DIN 19626
- FAO/JECFA 2004

[www.tetrachemicals.com](http://www.tetrachemicals.com)

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