

CC food® 34%

Calcium chloride food grade liquid
E 509

CC
food®

TETRA Chemicals Europe

Box 901, SE-251 09
Helsingborg, SWEDEN
Phone: +46 42 453 27 00
Fax: +46 42 453 27 80
info@tetrachemicals.com

Box 551, FI-67701
Kokkola, FINLAND
Phone: +358 6 8282 111
Fax: +358 6 8282 575

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

Availability

CC food® 34% 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	-20° C
Typical density @ 20°C	1.33 kg/L

Chemical Properties

Parameter	Unit	Specification	Typical value	FCC 10th ed limit
CaCl ₂ concentration	%	> 34	34.3	90-110% of labelled value
Residual mass as H ₂ O	%	N/A	64-66	N/A
pH (in 5% CaCl ₂ 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) ₂	%	< 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), 11th edition, 2019
- EC 2012/231
- DIN 19626
- FAO/JECFA 2004

www.tetrachemicals.com

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