

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 Germany. It is available as a bulk liquid in tank trucks.

Safety and Handling

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

Physical Properties

Appearance	Nearly 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
Color	Pt-Co	< 30	10	N/A
pH (in neat liquid)	-	5-7	6	4.5-11
Mg and alkali salts	%	< 0.05	0.025	1.7
Sulfate	mg/kg	< 100	80	N/A
Heavy metals (as Pb)	mg/kg	< 10	< 10	N/A
F	mg/kg	< 10	< 10	13
Fe	mg/kg	< 5	0.2	N/A
Al	mg/kg	< 5	< 5	N/A
Ba	mg/kg	< 5	3	N/A
Pb	mg/kg	< 0.5	< 0.2	1.4
As	mg/kg	< 0.5	< 0.05	1
Cu	mg/kg	< 0.5	< 0.5	N/A
Zn	mg/kg	< 0.5	< 0.5	N/A
Hg	mg/kg	< 0.05	< 0.005	N/A
Br	mg/kg	N/A	< 10	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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