Material no.: 9325
Vendor no.: 87804
Approved by.: AT
Antti Takala

CC food® 77%

Calcium chloride food grade flakes
Dihydrate
E 509

TETRA Chemicals Europe

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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 & 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. CC food® is a hygroscopic product and should be stored indoors on pallets at normal temperatures. If stored according to recommendations, the shelf life is two (2) years.

CC food® Packaging

Package	Dimensions LxWxH	Units
25 kg Bag	1080x1070x1050	42/Pallet
1000 kg Big Bag	1000x1000x1350	1

Physical Properties

Appearance	White flakes
Odor	None
Bulk density	800 to 900 kg/m^3

Chemical Properties

Parameter	Unit	Specification	Typical value	FCC 10th ed limit
$CaCl_2$ concentration	%	≥ 77	78	75-81
Dihydrate $CaCl_2*2H_2O$	%	99-107	103	99-107
Residual mass as H_2O	%	N/A	18-22	N/A
pH (in 5% $CaCl_2$ solution at 20°)	-	9-11	10.4	N/A
Mg and alkali salts	%	<4.0	2	<4.0
Insoluble in water	%	< 0.20	0.05	N/A
Alkalinity as $Ca(OH)_2$	%	≤ 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	<1	< 0.01	N/A

Typical Sieve Analysis

Sieve	Approximate % passing
6.3 mm	100
4 mm	90
2 mm	30
1 mm	10

Specifications

- Food Chemicals Codex (FCC), 11th edition, 2019
- EC 2012/231
- DIN 19626
- FAO/JECFA 2004

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www.tetrachemicals.com