

PRODUCT SPECIFICATION – FOOD INGREDIENTS

CALCIUM CHLORIDE 34% (E509) FOOD

ConnectingChemistry



1. PRODUCT IDENTIFICATION

Supplier product name	CALCIUM CHLORIDE 34% (E509) FOOD		
Supplier product number	11223	Date of issue: 12/11/2020	Replaces: 20/112019
Origin	Mineral in aqueous solution		
Manufacturer	Brenntag Nederland BV		
Country	Netherlands		
Certification manufacturer:	ISO9001 + ISO22000 + FSSC22000		

1.1 Composition

Single ingredient	
Chemical name	Calcium Chloride
Chemical formula	CaCl ₂
Molecular weight	110,986

1.2 Legislative information

CAS-N ^o	10043-52-4
INTRASTAT CODE	2827200000
EINECS	233-140-8
Legal declaration	E509

2. PRODUCT INFORMATION

	Unit	Specification	Method
--	------	---------------	--------

2.1 Physical and Chemical properties

Appearance		Clear liquid	
Colour		Colourless	
Odour/taste		Odourless / salty taste	
Assay (CaCl ₂)	g/l	min. 445	
Water	wt%	65,5 – 66,5	
Density (20°C)	kg/l	min. 1,330	
pH		4 – 7	

2.2 Microbiological data

N.A.



PRODUCT SPECIFICATION – FOOD INGREDIENTS

CALCIUM CHLORIDE 34% (E509) FOOD

ConnectingChemistry



2.3 Contaminants

2.3.1 Chemical contaminants

Mg and alkali salts	%	max. 5	
Sulphate (SO ₄)	g/l	max. 0,5	
Barium (Ba)	g/l	max. 0,4	
Iron (Fe)	mg/l	max. 3	
Copper (Cu)	ppm	max. 2	On anhydrous basis
Zinc (Zn)	ppm	max. 2	On anhydrous basis
Fluorine (F)	ppm	max. 40	E509
Arsenic (As)	ppm	max. 3	E509
Lead (Pb)	ppm	max. 2	E509
Mercury (Hg)	ppm	max. 1	E509

2.3.2 Physical contaminants

Foreign body control	Bag filter
----------------------	------------

2.4 Nutritional Information (Directive 90/496/EC, amended by 2003/120/EC and 2008/100/EC)

2.4.1 Nutritional Values

Energy	kJ/100g	-	
Energy	kcal/100g	-	
Protein	g/100g	0	
Carbohydrate :	g/100g	0	
Of which Sugars	g/100g	0	
Polyols	g/100g	0	
Starches	g/100g	0	
Others	g/100g	0	
Fat :	g/100g	0	
Of which Saturated	g/100g	0	
Mono-unsaturated	g/100g	0	
Poly-unsaturated	g/100g	0	
Transfatty acids	g/100g	0	
Cholesterol	mg/100g	0	
Water	g/100g	approx. 66	



PRODUCT SPECIFICATION – FOOD INGREDIENTS

CALCIUM CHLORIDE 34% (E509) FOOD

ConnectingChemistry



Organic acid	g/100g	-	
--------------	--------	---	--

2.4.2 Minerals

Sodium	mg/100g	136	Calculated
Calcium	mg/100g	9576,1	Calculated
Chlorine	mg/100g	17161,5	Calculated
Ferrous	mg/100g	max. 0,5	
Copper	mg/100g	max. 0,05	
Others:	mg/100g	-	

3. FOOD INTOLERANCES

3.1 Allergens (Directives 2000/13/EC, 2003/89/CE 2007/68/EC)

	Y / N	Direct Contamination	Cross-Contamination (Risk)
Barley	N	N	N
Beef	N	N	N
Cacao	N	N	N
Carrot	N	N	N
Celery and celery products	N	N	N
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt, barley)	N	N	N
Chicken	N	N	N
Coriander	N	N	N
Crustaceans and Shellfish	N	N	N
Eggs and egg products	N	N	N
Fish and fish products	N	N	N
Glutamate	N	N	N
Lupin and products thereof	N	N	N
Milk and milk products (incl. Lactose)	N	N	N
Molluscs and products thereof	N	N	N
Mustard and mustard products	N	N	N
Nuts and nut products (almonds, hazelnuts, walnuts)	N	N	N
Peanuts and peanut products	N	N	N
Pork	N	N	N
Sesame and sesame products	N	N	N



PRODUCT SPECIFICATION – FOOD INGREDIENTS

CALCIUM CHLORIDE 34% (E509) FOOD

ConnectingChemistry



Soybean and soybean products	N	N	N
Sulphite (E221 - E228)	N	N	N
Sulphur dioxide (> 10 mg/kg)	N	N	N

3.2 Suitability for other diets

Vegetarian	Y
Vegans	Y
Kosher	Y
Halal	Y
Lactose intolerant	Y
Coeliacs	Y

3.3 GMO Declaration, acc. Regulations 298/2008/EC and 1830/2003/EC

CALCIUM CHLORIDE 34% (E509) FOOD does not contain genetically modified organisms and is not produced using raw materials of a genetically modified origin. At no stage during production does the product comes into contact with genetically modified organisms.

CALCIUM CHLORIDE 34% (E509) FOOD is falling under the scope of the EC Regulation n° 1829/2003 on genetically modified food and feed and the EC Regulation n° 1830/2003 on the traceability and labeling of genetically modified organisms and the traceability of products derived from them and to modification of Directive 2001/18/EC.

3.4 Irradiation, acc. Directive 1999/2/EC and 1999/3/EC

This product was not subject to any kind of irradiation treatment

3.5 BSE/TSE Declaration

The used ingredients for CALCIUM CHLORIDE 34% (E509) FOOD are not of animal origin. The processing equipment and the packing material which is used to manufacture, pack or fill the products into the packing units do not come into contact with any meat or meat by- product.

3.6 Residual Solvents, complies with

For the manufacturing of the product, no solvents are used. This product is in compliance with the Guideline CPMP/ICH/283/95 and chapter <467> of the current edition of the USP-NF for residual solvents.

3.7 Regulatory information

The product complies with:

FCC, JECFA, E509
EC Regulation 231/2012/EC on food additives listed in Annexes II and III (CALCIUM CHLORIDE).
EC Regulation n° 1881/2006 setting maximum levels for certain contaminants in foodstuffs.

The production plant complies with:

EC Regulation n° 852/2004 on hygienic requirements for the manufacturing of raw materials in the food industry.



PRODUCT SPECIFICATION – FOOD INGREDIENTS

CALCIUM CHLORIDE 34% (E509) FOOD

ConnectingChemistry



4. PACKAGING

Packaging description	Bulk / IBC / drum / can
Packaging net content	- / 1000 / 260 / 24kg
Different packagings on request	Yes
Paletisation	

5. STORAGE CONDITIONS

Storage conditions	Must be kept in a cool, dry and well ventilated environment, in closed original packaging
Shelf life (recommended re-analysis)	60 months after production, under the above mentioned conditions

6. DISCLAIMER

The content of the Product Specification Sheet is completed to the best of our knowledge. This document does not dismiss the user of his legal obligation with respect to food safety.



DISTRIBUTOR COMPANY INFORMATION			
name	BRENNTAG N.V.	BRENNTAG Nederland B.V.	BRENNTAG SOUTH AFRICA (PTY) LTD
address	Nijverheidslaan 38 8540 Deerlijk	Donker Duyvisweg 44 3316 BM Dordrecht	11 Mansell Road Killarney Gardens, 7441
country	Belgium	The Netherlands	South Africa
phone number	+32 (0)56 77 69 44	+31 (0)78 65 44 944	+27 (0)21 0201800
website	www.brenntag.be	www.brenntag.nl	www.brenntag.co.za
e-mail	info@brenntag.be	info@brenntag.nl	info@brenntag.co.za
activities	Distribution and export of chemicals and ingredients		
VAT number	BE0405317567	NL001375945B01	4740102209
emergency number(24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944	+27 (0)21 0201800
management systems: certifications	ISO 9001, ISO 14001, ISO 22000, FSSC 22000, GMP+ Feed, ESAD	ISO 9001, ISO 14001, ISO 22000, FSSC 22000, OHSAS 18001, GMP+ Feed, ESAD, AEO	ISO 9001, FSSC 22000