

C☆Gel™ 03401

DESCRIPTION

Native maize starch

RAW MATERIAL

Corn (Maize)

PRODUCT LABEL

Package labelling Maize starch
 Ingredients [Listed in
 Descending Order] Starch

PRODUCT CLASSIFICATION

CN Code (Valid for EU 28) 1108 12 00

Country of Origin

Germany
 Spain
 Netherlands
 Italy

SPECIFICATIONS

Chemical/physical specifications

Parameter		Unit	Min	Typical	Max	Text
Moisture	-	%	10.5		13.5	
Non soluble residue	-					pass test
pH slurry	20g + 100 ml		4		6	
Protein	Nx6.25 on d.b.	%			0.4	
Sulphur dioxide	-	mg/kg			10	
Visc:Neutr Brab	V at 50°C	BU	550			
Visc:Neutr Brab	V at 95°C	BU	330			

Microbiological specifications

Parameter		Unit	Min	Typical	Max	Text
Total plate count	/g				5000	
Yeasts	/g				500	
Moulds	/g				500	
E. coli	/g					absent
Salmonella	/25g					absent

Typical product data

Parameter		Unit	Typically
Ash	-	%	0.1
Bulk Density	packed	g/l	700

Allergens (Legal directives)

Allergen information

	Presence	Comment
Wheat and products thereof	No	
Cereals containing gluten and products thereof	No	
Crustaceans and products thereof	No	
Eggs and products thereof	No	
Fish and products thereof	No	
Peanuts and products thereof	No	
Soybeans and products thereof	No	
Milk and products thereof (including lactose)	No	
Nuts and products thereof	No	
Celery and products thereof	No	
Mustard and products thereof	No	
Sesame seeds and products thereof	No	
Sulphur dioxide and sulphites	No	** SO2 <10 mg/kg
Lupins and products thereof	No	
Molluscs and products thereof	No	

The above list of allergens is in accordance with Annex II of Regulation (EU) n° 1169/2011 on food information to consumers

The above list of allergens is in accordance with Food Allergen Labeling and Consumer Protection Act (FALCPA)

The above list of allergens is in accordance with Health Canada, the Canadian Food Inspection Agency (CFIA)

** Sulphur dioxide max 10ppm allergen labelling not required according to Annex II of Regulation (EU) n° 1169/2011 on food information to consumers.

Dietary information

Suitable for	Certified		Comment
Halal	Yes	Yes	
Kosher	Yes	Yes	
Lacto-vegetarian	Yes	No	
Ovo-vegan	Yes	No	
Vegan	Yes	No	
Vegetarian	Yes	No	

GMO statement

For its operations in Europe, Cargill complies with the EU GMO requirements as principally laid down under EC Regulation No 1829/2003 on 'genetically modified food and feed' and EC Regulation No 1830/2003 on 'the traceability and labelling of food and feed products produced from GMO's'. By ensuring the supply of conventional ingredients in the EU, Cargill thus ensures that there is no need to label its products under either 1829/2003 or 1830/2003.

Legal requirements

This product is in compliance with:

COMMISSION REGULATION (EC) No 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs (as amended)

REGULATION (EC) No 1935/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 October 2004 on materials and articles intended to come into contact with food (as amended)

REGULATION (EC) No 178/2002 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety (as amended)

REGULATION (EC) NO 396/2005 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin (as amended)

REGULATION (EC) No 852/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 29 April 2004 on the hygiene of foodstuffs (as amended)

STANDARD PACKAGING

Bulk

Paper Bags

Polyethylene bags

Big Bags

RECOMMENDED STORAGE CONDITIONS

Store inside, under dry conditions

SHELF LIFE FOR PACKED PRODUCT

Shelf life after production date (months): 24

Minimum remaining shelf life after delivery (months): 6

COMMENTS TO SHELF LIFE

The specified shelf life can only be guaranteed for this product if the above mentioned recommended storage conditions are respected. For products delivered in bulk, there should be a clean storage (and circulation) system, protected from any potential contamination.

FUNCTIONALITY

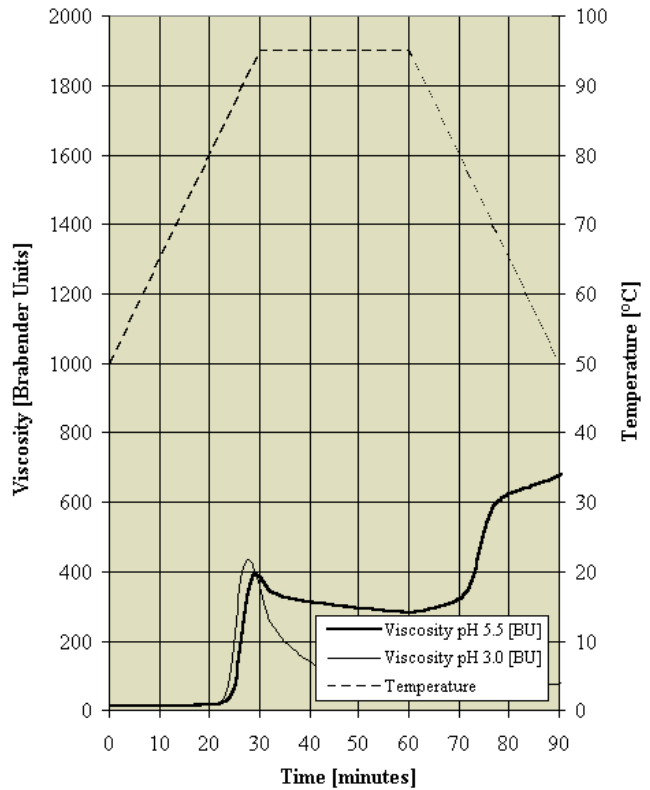
- short gel texture
- opaque gel
- relatively high viscosity
- easy dispersion in cold water
- fair resistance to shear
- poor stability to retrogradation
- poor freeze-thaw stability

APPLICATION

Native maize starches are multifunctional ingredients exhibiting properties that can be used in a number of food applications and manufacturing processes: texturising agents, film formers, water binders, fillers and thickeners.

The product is applied in food products such as:

- bakery products
- pudding powders
- salad dressings
- soups and sauces
- baby and health foods
- meat products (corned beef, hams and shoulders)



Brabender Viskograph (electronic type)
 - concentration: 30 g c.p./distilled water to 480 g total
 - cartridge: 350 cmg

Country of origin definition:

Country of Origin or product origin is defined as the country where the material was manufactured/produced/cultivated.

When the material undergoes substantial transformation in a second country, the country in which the transformation is performed shall be considered the country of origin.

Disclaimer:

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. WE THEREFORE DISCLAIM TO THE FULLEST EXTENT PERMITTED BY LAW, ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED REGARDING THE INFORMATION OR PRODUCTS REFERRED TO HEREIN, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE. We accordingly also exclude all liability in connection with the purchaser's/user's use of the products or the information referred to herein. All such risks are assumed by the purchaser/user. Further, the information contained herein is subject to change without notice. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.

C★Gel™ 03401

Nutritional Information					
Average values per 100g	Unit	EU	US	Japan	Comment
Energy (kcal)	kcal	353	353	353	
Energy (kJ)	kJ	1500	1500	1500	
Protein	g	0.3	0.3	0.3	
Carbohydrates	g	88	88	88	
of which sugars	g	0	0	0	
Added sugars	g		0		
of which starch	g	88	88	88	
Dietary Fiber	g		0		
Fat	g	0.1	0.1	0.1	
of which saturated	g	0	0	0	
of which Trans Fat	g	0	0	0	
Cholesterol	mg	0	0	0	
Sodium	mg	10	10	10	
Salt	mg	25	25	25	
Calcium	mg	5	5	5	
Potassium	mg		5		
Iron	mg	0.2	0.2	0.2	
Vitamin C	mg	0	0	0	
Vitamin D	mcg		0		
Water	g	12	12	12	
Ash	g	0	0	0	

The list comprises relevant nutritional components only.

Values are calculated based on the average of product specifications. In those cases where only a minimum or a maximum value is specified, these values were taken respectively.

The EU column lists the nutritional values in accordance with Regulation (EU) n° 1169/2011 on food information to consumers.

The US column lists the nutritional values in accordance with Code of Federal Regulations (CFR 21).

The Japan column lists the nutritional values in accordance with the Japanese Legislation.

The energy values may differ per region because of different calculations.