

PRODUCT SPECIFICATION

DATE OF ISSUE
23-06-2023




CREAM OF TARTAR (E336)
NATUURLIJK NATUURLIJK PRODUCT CODE:
X1541, X1542, X1543, X1593, X1535

PRODUCTION:
12052806

NATUURLIJK
NATUURLIJK
special food ingredients

1. PRODUCT IDENTIFICATION

1.1 Supplier product information

Product name	Cream of tartar		
Production	12052806		
Product code	Content	EAN	Packaging
X1541	80g	8718309830359	Plastic jar and screw lock cap with warranty seal. Jar =  Cap = 
X1542	200g	8718309830366	
X1543	900g	8718309830373	
X1593	12,5kg	8718309831172	Blue bag =  in box
X1535	25kg	8718309831189	

1.2 Scientific product information

Single ingredient		
Main use	Food acid	
Chemical name	Natural Monopotassium tartrate, Potassium bitartrate	
Chemical formula	C ₄ H ₅ O ₆ K	
Production method	Cream of tartar is naturally present in grapes and is a byproduct of winemaking. Cask tartar, or crude tartar, is left by wine on the storage tanks: it is the richest tartaric material, as it contains from 60% to 90% of potassium bitartrate. This is used for production of cream of tartar. It is purified and dried.	

1.3 Legislative product information

CAS number	868-14-4		
EU food additive	E336i		
Country of Origin	Italy		
Organic products	For the purposes of Article 19(2)(b) of Regulation (EC) No 834/2007, cream of tartar may be used in the manufacture of processed organic foods.		

2. PRODUCT INFORMATION

2.1 Physical and Chemical properties

	Unit	Specification	Method
Appearance		crystalline powder	
Colour		white	
Odour/taste		odorless	
Purity	%	>99,5	

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Assay	%	>99,5	
Rotatory power	°	+8.0 - +9.2	
Water	%	<0,5	
Bulk density	g/cm ³	1,25	20°C
Molecular Mass		188,16	
Solubility	g/ml	6,17	
Solubility	g/l alcohol	insoluble	95°C
Melting point	°C	230	
pH		3,4	1 wt% solution
Particle size	< 250 micron	99,5%	

2.3 Chemical analyses

Iron (Fe)	mg/kg	<10	
Arsenic (As)	mg/kg	<3	
Lead (Pb)	mg/kg	<2	
Oxalates	mg/kg	<100	
Mercury (Hg)	mg/kg	<1	
Chloride (Cl)	mg/kg	<500	
Heavy metals	mg/kg	<10	
Sulphate (SO ₄)	mg/kg	<500	
Sodium (Na)	%	<1	

2.4 Nutritional Information

2.4.1 Nutritional Values

Energy	kJ/100g	1034	
Energy	kcal/100g	238	
Protein	g/100g	absent	
Carbohydrate:	g/100g	79,5	
Of which Sugars	g/100g		
Polyols	g/100g		
Starches	g/100g		
Others	g/100g		
Fat:	g/100g	absent	
Of which Saturated	g/100g		

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Mono-unsaturated	g/100g		
Poly-unsaturated	g/100g		
Transfatty acids	g/100g		
Cholesterol	mg/100g		
Water	g/100g	<0,5	
Organic acid	g/100g		
Dietary fiber	g/100g		

2.4.2 Minerals

Sodium (Na)	mg/100g	absent	
Calcium (Ca)	mg/100g	absent	
Potassium (K)	g/100g	20,5	

2.4.3 Vitamins

All		absent	
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3. FOOD INTOLERANCE

3.1 Allergens

Yes = ✓ / No = ✗	Contains	Direct Contamination	Cross-Contamination (Risk)
	✗	✗	✗
Celery and celery products	✗	✗	✗
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt, barley)	✗	✗	✗
Crustaceans and Shellfish	✗	✗	✗
Eggs and egg products	✗	✗	✗
Fish and fish products	✗	✗	✗
Lupin and products thereof	✗	✗	✗
Milk and milk products (including Lactose)	✗	✗	✗
Molluscs and products thereof	✗	✗	✗
Mustard and mustard products	✗	✗	✗

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Nuts and nut products (almonds, hazelnuts, walnuts)	X	X	X
Peanuts and peanut products	X	X	X
Sesame and sesame products	X	X	X
Soybean and soybean products	X	X	X
Sulphur dioxide (>10mg/kg)	X	X	X

3.2 Suitability for other diets:

Coeliacs	✓	Lactose intolerant	✓
Halal	✓	Vegans	✓
Kosher	✓	Vegetarian	✓

3.3 GMO Declaration:

Cream of tartar 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 come into contact with genetically modified organisms.

3.6 Residual Solvents:

Cream of tartar is purified without adding any toxic or noxious chemical additives.

4. STORAGE CONDITIONS

Storage conditions	In closed original packaging. Must be kept cool and dry in a ventilated place.
Shelf life	60 months after production, under the above mentioned conditions.

5. FOOD SAFETY

5.1 Hygiene:

This product is produced in a facility with an on HACCP based food safety system.

5.2 Identifications of dangers:

Classification of the substance (Regulation (EC) No 1272/2008)	Not classified. (non-hazardous)

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6. USAGE

History: Cream of tartar is naturally present in grapes. It deposits when the wine is left to stay in tanks, especially during winter months. Cream of tartar is purified without adding any toxic or noxious chemical additives. The result is the white powder which has always been used to make cakes. Some very famous industries today prefer to use natural products, such as cream of tartar, thus treasuring ancient traditions.

Cream of tartar was well known in ancient days, ever since wine was made from grapes, since it could be gathered on the sides and at the bottom of wine vases. Alchemists used it as a flux for certain metals; Paracelsus claimed it had great therapeutic virtues, a panacea for every illness. In the VIIIth century, it was given the name of TARTAR, an Arabic word meaning wine deposit. Tartaric products in general today are in great demand, due to their excellent ease of digestion, in the business of improvements for bread making.

Function in food:

- Stabilizing egg whites, increasing their heat tolerance and volume.

(for use in meringue: ¼ teaspoon (1gram) per 2 egg-whites)

- Preventing sugar syrups from crystallizing.

- Reducing discoloration of boiled vegetables.

- Frequent combination with baking soda (which needs an acid ingredient to activate it) in formulations of baking powder.

Making invert sugar syrup:

Common sugar can be inverted by mixing sugar and cream of tartar at a ratio of about 1000:2 by weight and adding 75% water. Let the mixture simmer for 20 minutes (up to 2 hours for a darker syrup). The syrup needs to reach at least a temperature of 114 °C (237 °F).

After the inversion is completed, it may be neutralized with baking soda using a weight of 45% of the cream of tartar's weight.

6.2 Dictionary

NL	The Netherlands	Wijnsteen (Kaliumtartraat, Kaliumwaterstoftartraat, kaliumbitartraat, Cremotart,)
GB	Great Britain (UK)	Cream of Tartar (Potassium bitartrate, potassium hydrogen tartrate, potassium acid tartrate, monopotassium tartrate, Potassium tartrates)
DE	Germany	Weinstein (Kalziumsalz, Kalziumtartrat, Kaliumhydrogentartrat, Kaliumbitartrat, Kaliumhydrogentartrat, Reinweinstein, Cremor tartari, Kaliumtartrat)
FR	France	Crème de Tartre (Bitartrate de Potassium, Tartarate de monopotassium, Acide tartrate de potassium, Hydrogénotartrate de Potassium)
ES	Spain	Crémor tártaro (Hidrogenotartrato de Potasio, Cremor Tártaro, Bitartrato de Potasio, Tartratos de potasio)
PT	Portugal	Creme de Tártaro (Bitartarato de potássio, hidrogeno tartarato de potássio, Cremor Tártaro, Tartarato ácido de Potássio, Tartarato Monopotássico, Tartaratos de potássio)
IT	Italy	Cremore di Tartaro

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		(Bitartrato di Potassio, Idrogenotartrato di Potassio, Cremore, Cremor Tartaro, Tartrati di potassio)
DK	Denmark	Kaliumtartrater
NO	Norway	Kaliumtartrat
SE	Sweden	Natriumtartrater
FI	Finland	Kaliumtartraatit
IS	Iceland	Monokalíumtartrat
CZ	Czech Republic	Vinany draselné
SK	Slovak Republic	vinany draslíka
HU	Hungary	Kálium-tartarátok
HR	Croatia (Hrvatska)	Kalijev tartrat
GR	Greece	Άλατα του τρυγικού οξέος με κάλιο
SI	Slovenia	Kalijevi tartrati
PL	Poland	Winian potasu (Winiany potasu)
RO	Romania	Tartrați de potasiu
BG	Bulgaria	Калиеви тартарати
RU	Russian Federation	Тартраты калия
TR	Turkey	Krem Tartar (Potasyum bitartarat)

7. DISCLAIMER

Although we take great care in setting up this product specification, we cannot accept any liability for the completeness and fully accurateness of the information provided. The content of this Product Specification is completed to the best of our knowledge.

This document does not dismiss the user of his legal obligations with respect to food safety.

This product specification replaces any previously issued specifications.