



Product Technical Data Sheet

Product name: Ginger Extract 5% Gingerols

AC code: AC03986b

1. Technical Data Sheet

Latin Name		Zingiber Officinale Rosc.
Plant Part		The rhizomes of Zingiber officinale
Item	Standard	Analysis Method
Typical Analysis		
Appearance	Light Yellow Powder	Visual
Gingerols	≥ 5.0%	HPLC
Loss on drying	≤ 5.0%	EP
Particle Size	≥ 95% pass 100 mesh	Screen
Ethanol Residues	≤ 1000mg/kg	Gas Chromatography
Heavy metals		
Total Heavy Metals	≤ 10ppm	EP 2.4.8
Lead (Pb)	≤ 1ppm	EP 2.4.20
Arsenic (As)	≤ 3ppm	EP 2.4.20
Cadmium (Cd)	≤ 1ppm	EP 2.4.20
Mercury (Hg)	≤ 0.1ppm	EP 2.4.20
Microorganism		
Total Plate Count	≤ 1000 cfu/g	EP 2.6.12
Yeast & Mould	≤ 100 cfu/g	EP 2.6.12
E.Coli	Negative	EP 2.6.13
Salmonella	Negative	EP 2.6.13
Benzo(a)pyrine	≤ 10ug/kg	HPLC
Polycyclic Aromatic Hydrocarbons	≤ 50ug/kg	HPLC
Storage & Shelf Life		
Package	25kgs/drum	
Shelf life	The shelf life for the product is 24 months from date of production. Use it as soon as possible once it is opened.	
Storage	Store in a tightly closed container in a dry place, protected from light	

2. Origin & Ingredient

Country of origin of the product: China

Origin statement: available

This product is a pure material

This product is a compound material

Animal origin

bovine

Specific Source: /



	<input type="checkbox"/> porcine	Specific Source: /	
	<input type="checkbox"/> avian	Specific Source: /	
	<input type="checkbox"/> Others:	Specific Source: /	
Synthetic	<input type="checkbox"/>	Starting material:	origin: China
Biotechnological processing	<input type="checkbox"/> Catalysis By Enzymes	Name Of Enzyme: / Sources Of Enzymes: /	
	<input type="checkbox"/> Fermentation	Source Of Medium: / Strain: /	
Botanical Origin	Botanical Name:	Zingiber officinale Rosc	
	Part:	The Rhizomes of Zingiber Officinale	
	Wild Or Cultivated:	/	
	Country Of Origin:	/	
	Solvent Used:	/	

3.Nutrition Data		
Nutritional Composition	<input checked="" type="checkbox"/> Per 100g	<input type="checkbox"/> Per Serving
<input checked="" type="checkbox"/> Energy(Kj) <input type="checkbox"/> Energy(Kcal)	320 – 380 kcal	
Protein(G)	0	
Fat(G)	0	
Carbohydrates(G)	80 – 95g	
Sodium	0	
Remarks: Nutrition Data Are Obtained By 3 rd Party Lab; Tested On A Yearly Basis		

4. GMO declaration	Conforms	Not Conforms
The product does not contain or consist of GMO	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The product is not produced from GMO or not contain ingredients produced from GMO (irrespective of whether there is NDA or protein of GM origin in the final production)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
This product is not produced by means of GM microorganism including precursor substances, e.g. with GMOs or Genetically Modified microorganisms processing aids(bacteria, yeast,..)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
This product is not produced with the help of enzymes, which were obtained from GMOs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the product contain any ingredients from animal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, are genetically modified crops contained in the feed for the animal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
We confirm that this product complies with regulations EC/1829/2003 and EC1830/2003 and keep NON-GMO statement available		<input checked="" type="checkbox"/>

5.Allergen declaration



We have carefully reviewed this product according to EU Regulation 1169/2011 and modifications and confirm the following:

	Direct incorporation as a base raw material or in a derivative form (don't forget the carriers, the additives and the processing aids)		CROSS CONTAMINATION					
			Presence on the production line		Presence on the production workshop		Presence on the production factory	
	Yes (precise nature)	No	Yes (precise the nature)	No	Yes (precise the nature)	No	Yes (precise the nature)	No
Cereals containing gluten(1) and products thereof		N		N		N		N
Crustaceans and products thereof		N		N		N		N
Eggs and products thereof		N		N		N		N
Fish and products thereof (2)		N		N		N		N
Peanuts and products thereof		N		N		N		N
Soybeans and products thereof (3)		N		N		N		N
Milk and products thereof (including lactose)(4)		N		N		N		N
Nuts (5) or products thereof		N		N		N		N
Celery and products thereof		N		N		N		N
Mustard and products thereof		N		N		N		N
Sesame seeds and product thereof		N		N		N		N
Sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10 mg/l expressed as SO ₂		N		N		N		N
Lupines and products thereof		N		N		N		N
Mollusc and product thereof		N		N		N		N

- (1) Cereals which contain gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) except: wheat-based glucose syrups including dextrose, wheat-based maltodextrins, glucose syrups based on barley, cereals used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;
- (2) Except: fish gelatine used as carrier for vitamin or carotenoid preparations, fish gelatine or Isinglass used as fining agent in beer and wine;
- (3) Except fully refined soybean oil and fat, natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, natural D-alpha tocopherol succinate from soybean sources; vegetable oils derived phytosterols and phytosterol esters from soybean sources; plant stanol ester produced from vegetable oil sterols from soybean sources;
- (4) Except when used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages, lactitol;
- (5) almond (*Amygdalus communis* L.) hazelnuts (*Corylus avellana*), walnut (*Juglans regia*), cashew (*Anacardium occidentale*), pecan nuts (*Carya illinoensis*), brazil nut (*Bertholletia excelsa*), pistachio nut (*Pistacia vera*), macadamia nut and queensland nut (*Macadamia terniflora*) and products thereof, except nuts used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;

6. NON IRRADIATION

(According to EU directive 1999/2/EC & 1999/3/EC)

This product has not been treated with ionising radiation

Conforms

Not Conforms



None of the raw materials we used for this product have been treated with ionising radiation.	<input checked="" type="checkbox"/> Conforms	<input type="checkbox"/> Not Conforms
We confirm above Non-Irradiation statement is available	<input checked="" type="checkbox"/>	

7.NANOMATERIAL (according to EU Regulation (EU) No. 1169/2011)		
This product does not contain any nanomaterials as defined in EU food legislation	<input checked="" type="checkbox"/> Conforms	<input type="checkbox"/> Not Conforms
This product has not been made with nanotechnology	<input checked="" type="checkbox"/> Conforms	<input type="checkbox"/> Not Conforms
We confirm above Non-Nanomaterial statement is available	<input checked="" type="checkbox"/>	

8. Residual solvents (according to UE Directive 2009/32 modified by(UE)2010/59; EP5.4;USP476;ICH Q3C(R7))		
For this product following solvents are used during production process: Solvent A: Ethanol Max residual level: Ethanol < 0.5%	<input checked="" type="checkbox"/> solvent used <input type="checkbox"/> solvent not used	
We confirm solvent residual of this product complies with:	<input checked="" type="checkbox"/> EP5.4 <input checked="" type="checkbox"/> USP <476> <input checked="" type="checkbox"/> ICH Q3C(R7) <input checked="" type="checkbox"/> Directive 2010/59/EU <input type="checkbox"/> NA	
We confirm Solvent residual statement is available	<input checked="" type="checkbox"/>	

9.Pesticide residual (according to EC 396/2005; EP07; USP <561>)		
This product is of vegetable origin	<input checked="" type="checkbox"/> Conforms	<input type="checkbox"/> Not Conforms
We confirm pesticide residual of this product complies with:	<input checked="" type="checkbox"/> EP 07/2008 <input checked="" type="checkbox"/> USP<561> <input type="checkbox"/> N/A	
Pesticide residual statement available	<input checked="" type="checkbox"/>	

10.BSE/TSE information (according to EU legislation 999/2001; EP general chapter 5.2.8)		
<p>Cattle, sheep, goats and animals that are naturally susceptible to infect with transmissible spongiform encephalopathy agents or susceptible to infection through the oral route other than humans and non-human primates are defined as "ESE-relevant animal species</p> <p>Pigs ad birds are not naturally susceptible to infection via the oral route; therefore, they are not TSE-relevant animal species.</p> <p>Dogs, rabbits and fish are not TES-relevant animal species."</p>		
the product contains no ingredients of ruminant origin and no materials derived from, or exposed to ruminants affected by or under quarantine for Transmitting	<input checked="" type="checkbox"/> Conforms	<input type="checkbox"/> Not Conforms



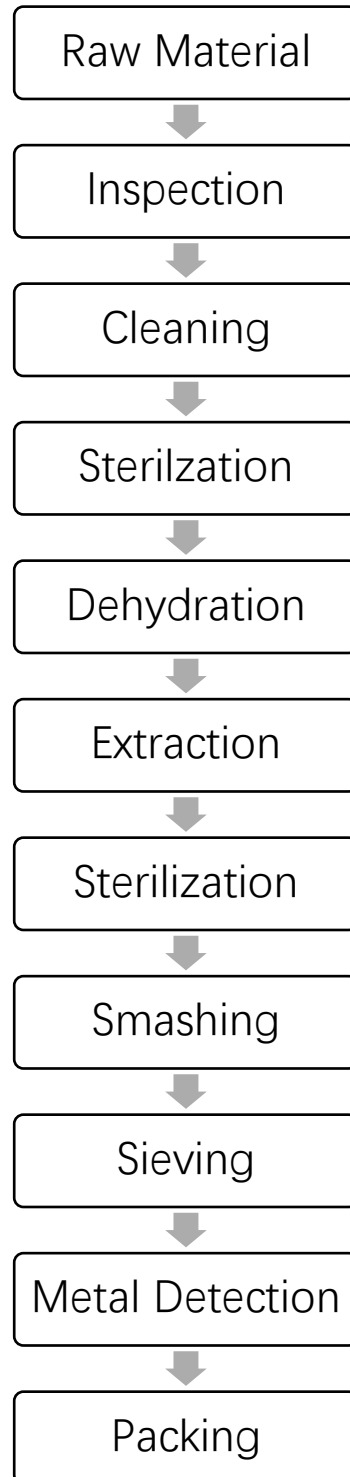
Transmissible Spongiform Encephalopathy (TSE) / Bovine Spongiform Encephalopathy (BSE)	<input type="checkbox"/> NA
In the manufacturing of this product, there is no any raw or source material and /or reagent used that is of animal origin i.e. bovine, serum-albumin, enzymes, culture broths including those used to prepare working or master cell tanks	<input checked="" type="checkbox"/> Conforms <input type="checkbox"/> Not Conforms
Equipment/systems/tools use for processing or storage of the material do not come into contact at any time with materials of animal origin (e.g., components of media filler used to check such system)	<input checked="" type="checkbox"/> Conforms <input type="checkbox"/> Not Conforms
The material is not purified by using solvents, chromatographic media or buffers that contain components of animal origin	<input checked="" type="checkbox"/> Conforms <input type="checkbox"/> Not Conforms
We confirm this product complies with:	<input checked="" type="checkbox"/> EU legislation 999/2001 & <input checked="" type="checkbox"/> EP general chapter 5.2.8
We confirm BSE/TSE statement is available	<input checked="" type="checkbox"/> Conforms

11. Contaminants information (according to EU Regulation No 915/2023 and NO.629/2008 as regards maximum levels for certain contaminants in foodstuff)	
<ul style="list-style-type: none"> • Food supplements containing $\geq 80\%$ peanuts or oilseeds Aflatoxins B1≤ 2.0 ppb Aflatoxins B1+B2+G1+G2≤ 4.0 ppb • Other food supplements Aflatoxins B1≤ 5.0 ppb Aflatoxins B1+B2+G1+G2≤ 10.0 ppb • Food supplements, cocoa fibre, banana chips, dried herbs and dried spices Ochratoxin A≤ 5.0 ppb 	<input checked="" type="checkbox"/> Conforms <input type="checkbox"/> Not Conforms <input type="checkbox"/> NA
• Melamine	<input checked="" type="checkbox"/> Conforms
Applicable to: food supplements, cocoa fibre, banana chips, dried herbs and dried spices <ul style="list-style-type: none"> • Benzo(a)pyrene ≤ 1.0 ppb • The sum of PAH4 (PAH4; benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene) ≤ 10.0 ppb 	<input checked="" type="checkbox"/> Conforms <input type="checkbox"/> Not Conforms <input type="checkbox"/> NA
We confirm this product complies with Regulation (EU) 915/2023 and NO.629/2008 and keep compliance statement available	<input checked="" type="checkbox"/> Conforms

12. Others
We confirm we could meet with the requirement on hygiene of foodstuffs according to Reg 852/2004. We confirm we could meet with the requirement on general principles and requirements of food law according to REGULATION (EC) No 178/2002



Flow Chart





Material Safety Data Sheet (MSDS)

SECTION 1: Identification

1.1 Product identifier

Product name: Ginger Extract

CAS No.: 23513-14-6

Molecular formula: C₁₇H₂₆O₄

Molecular weight: 294.39

1.2 Relevant identified uses

Use: Nutritional ingredient / food supplement

1.3 Supplier details

Supplier: Ingredients4u

1.4 Emergency telephone number

Please contact your national poison centre or local emergency number

SECTION 2: Hazards identification

2.1 Classification

Not classified according to Regulation (EC) No 1272/2008

2.2 Label elements

No labeling required

2.3 Other hazards

Adverse effects may include nausea or gastrointestinal discomfort.

Possible allergic reactions may occur via inhalation, ingestion, or skin contact.

Acute effects: Possible irritation to eyes, skin, gastrointestinal tract, and respiratory tract.

Chronic effects: Possible hypersensitization.

Medical conditions aggravated: Hypersensitivity to material.

Cross sensitivity: Not available.

Target organs: Not available.

SECTION 3: Composition/information on ingredients

Substance: Creatine Monohydrate

CAS: 6020-87-7

SECTION 4: First aid measures



4.1 Description of first aid measures

Inhalation: May cause irritation. Remove to fresh air.

Eye contact: May cause irritation. Flush with copious quantities of water.

Skin contact: May cause irritation. Wash with water.

Ingestion: May cause irritation. Rinse mouth with water.

4.2 Symptoms

Irritation and possible hypersensitivity reactions

4.3 Medical attention

General: Remove from exposure and contaminated clothing.

If breathing stops: provide artificial respiration.

If breathing is difficult: provide oxygen.

Seek medical attention.

Overdose: Consult local poison control centre.

SECTION 5: Firefighting measures

Extinguishing media: Water spray, dry chemical, carbon dioxide or foam.

Hazards: Combustible dust. Risk of static electricity accumulation.

Firefighters: Use self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

Wear respiratory protection, gloves, and protective clothing.

Avoid breathing dust.

Collect using vacuum or mechanical means.

Dispose in labeled containers.

Clean spill area thoroughly.

SECTION 7: Handling and storage

Handling: Avoid contact and inhalation of dust, mists or vapors. Wash after handling.

Storage: Store in tightly closed container in a dry place. Protect from moisture.

SECTION 8: Exposure controls/personal protection

Engineering controls: Ventilation recommended.

Respiratory: Dust mask or NIOSH-approved respirator if required.

Gloves: Chemically compatible gloves.

Eye: Safety goggles.



Clothing: Protective clothing.
Exposure limits: Not available.

SECTION 9: Physical and chemical properties

Appearance: Powder (white expected based on product spec)

Odor: Not available

Solubility: Not available

Other properties: Not available

SECTION 10: Stability and reactivity

Stable under normal conditions.

Avoid moisture.

Decomposition: May emit toxic fumes (SO_x, Na₂O) when heated.

SECTION 11: Toxicological information

LD50 (oral, rat): >10 g/kg

LD50 (oral, mouse): >10 g/kg

Not classified as carcinogenic (NTP, IARC, OSHA).

May cause irritation and sensitization.

SECTION 12: Ecological information

No specific ecological data available.

SECTION 13: Disposal considerations

Dispose according to local regulations.

SECTION 14: Transport information

Not classified as dangerous goods.

No UN number assigned.

SECTION 15: Regulatory information

Applicable regulations:

China Regulatory Information: n/f

International al Regulatory Information: n/f

SECTION 16: Other information

This SDS is adapted from original MSDS with structure aligned to EU 2020/878.

Information believed accurate but no warranty provided.