


Product Technical Data Sheet

Product name:	 Rice protein powder (SW grade)	AC code: AC00011a
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1. Technical Data Sheet		
Compliance (Food / Pharmacopoeia / FCC / Feed)	Food	
Source (animal, plant, mineral, petrochemical)	Plant	
Brief introduction:		
Non-GMO vegan protein, obtained by wet milling, separation, concentration and drying		
Item	Standard	Analysis Method
Appearance & Solubility		
Appearance	Powder of faint yellow	
Organoleptic	No special taste and odour	
Typical Analysis		
Protein	≥80%	AOAC 984.13 1994
Fat	≤8%	AOAC 963.15 1973
Moisture	≤8%	AOAC 935.29 1935
Total Carbohydrate	≤15%	Regulation (EU) No 1169/2011 of the European parliament and of the Council of 25 October 2011, Article 31, page 35.
Ash	≤5%	AOAC 923.03 1923
Fiber	≤5%	AOAC 991.43 1994
Heavy metals		
Total Heavy Metals	≤20 ppm	BS EN ISO 17924-2 2016
Lead	≤0.2 ppm	BS EN ISO 17924-2 2016
Arsenic	≤0.2 ppm	BS EN ISO 17924-2 2016
Cadmium	≤0.15 ppm	BS EN ISO 17924-2 2016
Mercury	≤0.05 ppm	BS EN ISO 17924-2 2016
Microorganism		
Total plate count	≤5,000 cfu/g	ISO 4833-1:2013
Total Molds & Yeasts	≤50 cfu/g	ISO 21527-2:2018
Coliforms	≤10 cfu/g	ISO 21528-2:2017
E.Coli	N.D.in 1g	ISO 16649-2:2001
Salmonella	N.D.in 25g	ISO 6579-1:2017
Staphylococcus aureus	N.D.in 1g	ISO 6888-1:2021
Ochratoxin A	≤5	DIN EN 14132-2009
Aflatoxin	B1≤5 ppb, Total B1,B2,G1&G2 ≤ 10 ppb	DIN EN 14123:2008:03

Storage & Shelf Life	
Package	20 kg/bag with plastic inner
Storage & Shelf Life	Product has to be stored in its unopened original packaging in a dry place, free from odours, insects and rodents. Under these conditions the product can be stored for 2 years.

2.Origin & ingredient

Country of origin of the product: China

Origin statement: available

This product is a pure material <input type="checkbox"/>		This product is a compound material <input checked="" type="checkbox"/>	
Animal origin	<input type="checkbox"/> bovine	Specific Source: /	
	<input type="checkbox"/> porcine	Specific Source: /	
	<input type="checkbox"/> ovine	Specific Source: /	
	<input type="checkbox"/> Others:	Specific Source: /	
Synthetic	<input checked="" type="checkbox"/>	Starting material: Rice	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:	Rice	
	Part:	/	
	Wild Or Cultivated:	Cultivated	
	Country Of Origin:	China	
	Solvent Used:	/	

For compound material, all compounds are listed (e.g. antioxidants; coating materials and with their functions):

Each ingredient including food additives	Percentage %	Function (e.g. Nutrient, Binder, Diluent, carrier)	Source Material(s)	Country of Origin of the Source Material
Rice	100%	Nutrient	Plant	China
Remarks:	Compounds may change according to customized formula from customer			
Processing aid used	<input type="checkbox"/>			
Name of processing aids:	Purpose:		Source:	

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	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
None of the raw materials we used for this product have been treated with ionising radiation.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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 type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
This product has not been made with nanotechnology	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

We confirm above Non-Nanomaterial statement is available	<input checked="" type="checkbox"/>
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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: max residual level:	<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 checked="" 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"/> YES <input type="checkbox"/> NO
We confirm pesticide residual of this product complies with:	<input type="checkbox"/> EC 396/2005 <input type="checkbox"/> EP 07/2008 <input 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)	
Cattle, sheep, goats and animals that are naturally susceptible to infect with transmissible spongiform	

<p>encephalopathy agents or susceptible to infection through the oral route other than humans and non-human primates are defined as “ESE-relevant animal species Pigs and birds are not naturally susceptible to infection via the oral route; therefore, they are not TSE-relevant animal species. Dogs, rabbits and fish are not TSE-relevant animal species.”</p>	
<p>the product contains no ingredients of ruminant origin and no materials derived from, or exposed to ruminants affected by or under quarantine for Transmissible Spongiform Encephalopathy (TSE) / Bovine Spongiform Encephalopathy (BSE)</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA
<p>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</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<p>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)</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<p>The material is not purified by using solvents, chromatographic media or buffers that contain components of animal origin</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<p>We confirm this product complies with:</p>	<input checked="" type="checkbox"/> EU legislation 999/2001 & <input type="checkbox"/> EP general chapter 5.2.8
<p>We confirm BSE/TSE statement is available</p>	<input checked="" type="checkbox"/> YES

11. Contaminants information

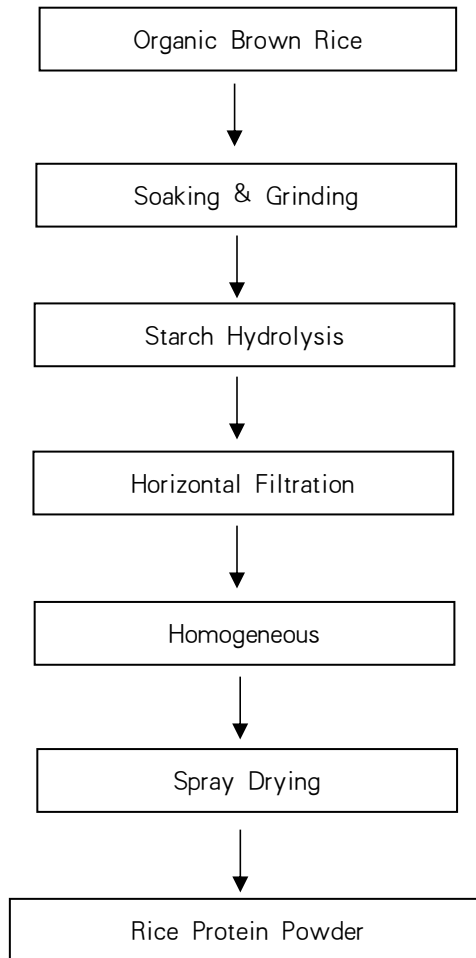
(according to UE regulation NO.1881/2006 and NO.629/2008 as regards maximum levels for certain contaminants in foodstuff)

<ul style="list-style-type: none"> ● Aflatoxin B1 <5ppb ● Aflatoxins B1 + B2 + G1 + G2 <10ppb ● Ochratoxin A <15ppb 	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA
<ul style="list-style-type: none"> ● Melamine 	<input checked="" type="checkbox"/> YES

<p>For polycyclic aromatic hydrocarbons, in cocoa fibre, banana chips, food supplements and their preparations, dried herbs <i>and dried spices</i>:</p> <ul style="list-style-type: none"> ● Maximum level of 10 µg/kg of benzo(a)pyrene ● 50 µg/kg for the sum of PAH4 (PAH4; benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene) in food supplements 	<p><input checked="" type="checkbox"/> YES</p> <p><input type="checkbox"/> NO</p> <p><input type="checkbox"/> NA</p>
<p>We confirm this product complies with NO.1881/2006 and NO.629/2008 and keep compliance statement available</p>	<p><input checked="" type="checkbox"/> YES</p>

Flow Chart of Rice Protein Powder (SW grade)

Flow Chart



Material Safety Data Sheet (MSDS)

Rice protein powder (SW grade)

1. PRODUCT IDENTIFICATION

Product Name: Rice protein powder (SW grade)

Concentration: 100%

Hazardous ingredient: None

CAS number: Not Applicable

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: not determined

Boiling Point: not determined

Vapor Pressure: not determined

Vapor Density: not determined

Physical state: powder

Colour: Faint yellow

Odour: Normal, no abnormal odor

Solubility: NSI \geq 50

3. STABILITY & REACTIVITY

Conditions to avoid: avoid the moisture, hot and prevent fire

Materials to avoid: water and all of non edible materials.

Hazardous decomposition Products: Under normal conditions of storage and use, Hazardous decomposition products should not be produced

4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away.

Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.

Protective Clothing: Gloves recommended to prevent skin contact. Safety glasses, goggles, or face shield recommended for eye protection.

Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

7. HAZARDS IDENTIFICATION

General: Non hazardous and non combustible.

Inhalation: Not a primary route of entry. Mists and vapors may cause dizziness (alcohol)

Eye Contact: May cause slight irritation. Irrigate eye with water. Seek medical attention if symptoms persist.

Skin Contact: Not a skin irritant.

Ingestion: No specific hazard known.

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

Skin: Wash exposed areas of the body with soap and water.

Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Ingestion: If gastrointestinal symptoms develop, consult medical personnel.

9. FIRE FIGHTING MEASURES

Flammability Limits: None known

Unusual Fire Hazard: None known

Fire Fighting Procedures: Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

10. TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified

Irritancy and corrosiveness: Not classified

Sensitization: Not classified

Subacute, subchronic and prolonged toxicity: Not classified

Empirical data on effects on humans: Not classified

11. DISPOSAL CONSIDERATIONS

Small amounts may be flushed to sewer, Material is very biodegradable, otherwise, dispose of in accordance with Local regulations for non- hazardous substances

12. TRANSPORT INFORMATION

General: not regarded as hazardous material

DOT Shipping Name: Refer to corresponding hazard class

ADR/RIC Code: Refer to corresponding hazard class

Sea Transport IMDG Code: Refer to corresponding hazard class

Air Transport IATA: Refer to corresponding hazard class

13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.