

09-03-1001DOC	Technical Data Specification
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Product Code:	BULK06WHEATGRASS	Technical Data Specification ID:	TDS-BULK06WHEATGRASS	Issue:	4
Product Name:	ORGANIC WHEATGRASS POWDER (EU)			Date:	22/05/2024

PRODUCT INFORMATION

BOTANICAL NAME Triticum Aestivum

COUNTRY OF ORIGIN Europe (Germany, Hungary)

BRIEF DESCRIPTION Wheatgrass powder is produced from the leaves of the commonly known plant - Triticum Aestivum. Our wheatgrass is grown on the fertile plains in Europe, and is are harvested whilst still young to capture the peak nutritional essence of the plant. It is then processed at one of the largest, highly innovative, and most efficient dehydration facilities in Europe. The final processing step involves milling wheatgrass into a fine powder form. It takes 5kg of fresh leaves to produce 1kg of powder.

Our Organic Wheatgrass Powder is certified to EU Organic Standards according to Regulation (EU) 2018/848 and Great British Organic Standards by the Soil Association under the code GB-ORG-05.

INGREDIENTS 100% Organic Wheatgrass

INTENDED USE Ready to eat or as a food ingredient

SUGGESTED USE 3-5g per day.

PACKAGING/ NET WEIGHT Food grade plastic gusset bag/ 20Kg

SHELF LIFE & STORAGE 4 years from manufacture date. Store in a cool, dry place.

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NUTRITIONAL INFORMATION

Nutrition	Per 100g	Units	%RI
Energy	1095/264	kJ/kcal	
Fat	1.8	g	
of which saturates	0.3	g	
of which mono-unsaturated	0.2	g	
of which polyunsaturated	0.9	g	
Carbohydrate	24	g	
of which sugars	8.4	g	
Fibre	47	g	
Protein	15	g	
Salt	0.04	g	
Vitamin A	263	µg	33%
Vitamin C	23	mg	29%
Calcium	341	mg	43%
Iron	16	mg	114%
Zinc	1.9	mg	100%
Copper	0.5	mg	50%

AUTHORISED HEALTH BENEFITS BASED ON MICRONUTRIENTS

Micronutrients in this product contribute to:

- ✓ normal iron metabolism
- ✓ normal mucous membranes
- ✓ protection of cells from oxidative stress
- ✓ normal vision
- ✓ normal function of the immune system
- ✓ process of cell specialisation
- ✓ normal metabolism of vitamin A
- ✓ normal function of bones
- ✓ normal function of gums
- ✓ normal function of skin
- ✓ normal function of teeth
- ✓ normal energy-yielding metabolism
- ✓ normal functioning of the nervous system
- ✓ normal psychological function
- ✓ normal blood clotting
- ✓ normal function of blood vessels
- ✓ normal fertility and reproduction
- ✓ normal macronutrient metabolism
- ✓ normal muscle function
- ✓ normal neurotransmission
- ✓ normal function of digestive enzymes
- ✓ normal protein synthesis
- ✓ normal hair pigmentation
- ✓ normal skin pigmentation
- ✓ normal growth and development of bone in children
- ✓ normal cognitive function
- ✓ normal formation of red blood cells and haemoglobin
- ✓ normal oxygen transport in the body
- ✓ reduction of tiredness and fatigue
- ✓ normal iron transport in the body
- ✓ normal cognitive development of children
- ✓ normal DNA synthesis
- ✓ normal acid-base metabolism
- ✓ normal carbohydrate metabolism
- ✓ normal metabolism of fatty acids
- ✓ maintenance of normal connective tissues

We periodically review our nutrition information based on a risk assessment to account for seasonal variability, growing condition and other factors that cause nutrition result to vary. Please find our updated TDS.

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The nutritional information provided in this document is based on nutritional testing and on average, as required by regulation (EC) No 1169/2011. The information is not meant to ensure warranty of characteristics. It comes without commitment and is not valid for any claim of warranty and product liability respectively.

ORGANOLEPTIC PROPERTIES

<i>Appearance/Texture</i>	Fine powder
<i>Flavour</i>	Characteristic
<i>Aroma</i>	Characteristic
<i>Colour</i>	Light Green

PHYSICAL CHARACTERISTICS

<i>Mesh</i>	<0.2mm
<i>Foreign Materials</i>	Absent
<i>Solubility</i>	N/A
<i>Density</i>	N/A

CHEMICAL CHARACTERISTICS

<i>Moisture</i>	<5%
<i>Ash</i>	<15%
<i>Water Activity</i>	N/A

MICROBIOLOGICAL CHARACTERISTICS

Name	Maximum Limit	UoM
<i>Plate Count</i>	≤1000000	cfu/g
<i>Yeast</i>	≤10000	cfu/g
<i>Mold</i>	≤10000	cfu/g
<i>E. Coli</i>	≤100	cfu/g
<i>Salmonella</i>	Not Detected	/25g
<i>Bacillus Cereus</i>	≤10000	cfu/g
<i>Listeria</i>	Not Detected	/25g
<i>Clostridium Perfringens</i>	≤10000	cfu/g
<i>Staphylococcus Aureus</i>	≤10000	cfu/g
<i>Enterobacteriaceae</i>	≤10000	cfu/g

DIETARY INFORMATION

Diet	Suitable For	Certified?	Comments
Organic	Yes	Yes	
Vegetarian	Yes	Yes	
Vegan	Yes	Yes	

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Jewish / Kosher	Yes	Yes	
Muslin / Halal	Yes	No	Suitable but not certified

ALLERGEN STATEMENT

ALLERGEN COMPONENT	PRESENT (as an Ingredient)	ABSENT AS INGREDIENT (on Same Line)	PRESENT IN PROCESSING PLANT	SOURCE OF ALLERGEN
Celery & product there	No	No	No	-
Cereals Containing Gluten	No	No	No	-
Crustaceans	No	No	No	-
Eggs	No	No	No	-
Fish	No	No	No	-
Lupin	No	No	No	-
Milk	No	No	No	-
Molluscs	No	No	No	-
Mustard	No	No	No	-
Nuts	No	No	No	-
Peanuts	No	No	No	-
Sesame Seeds	No	No	No	-
Soybeans	No	No	No	-
Sulphur Dioxide & Sulphites	No	No	No	-
Comments:	Complete segregation in place			

CONTAMINANTS

<i>Heavy Metals (lead, cadmium, mercury, tin, arsenic)</i>	According to Regulation (EU) No 2023/915
<i>Mycotoxins (aflatoxins, ochratoxin A, patulin)</i>	According to Regulation (EU) No 2023/915
<i>Nitrates</i>	According to Regulation (EU) No 2023/915
<i>Polycyclic Aromatic Hydrocarbons (PAH)</i>	According to Regulation (EU) No 2023/915
<i>Melamine</i>	According to Regulation (EU) No 2023/915

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PACKAGING

Packaging description	Gusseted tubular bags, blue opaque, unprinted (PE / EVOH) and Carton				
Pack size	20kg				
Objective Criteria	N/A				
Material Specification					
Primary packaging	Gusseted tubular bags, blue opaque, unprinted (PE / EVOH)				
Print (Litho/Flexo)	N/A				
Colours	Blue				
Material	Plastic - PE				
Packaging dimension in mm (L*W*H)	500 x 300 x 800			Thickness	0.08mm
Weight of packaging	0.1kg				
Content of plastic food contact material (%)		100%	Content of metal & rubber (%)		N/A
Recyclability	100% Recycled				
Lamination/Layers	N/A		Coating	N/A	
Sealing method	Heat sealing				
Secondary packaging	Carton				
Print (Litho/Flexo)	N/A				
Colours	Brown				
Material	Pape/board corrugated				
Packaging dimension in mm (L*W*H)	503 x 270 x 375			Thickness	600g/m2
Weight of packaging	0,73kg				
Content of plastic food contact material (%)		0%	Content of metal & rubber (%)		N/A
Recyclability	100% Recycled				
Lamination/Layers	N/A		Coating	N/A	
Sealing method	N/A				

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Category	Compliance Criteria	Yes/No/N/A
Good Manufacturing Standards	The packaging meets hygiene and traceability requirements Regulation (EC) No. 2023/2006 on good manufacturing practice. FCMs should be manufactured in compliance with general and detailed rules on good manufacturing practice (GMP).	Yes
Paper & board	Quality assurance system, quality control system, and documentation system is established, implemented, and maintained. The packaging supplier is GFSI certified to demonstrate GMP in the manufacturing process.	No
Printed packaging	The packaging is chlorine free (TCF) or elemental chlorine free (ECF) Photo initiators –including benzophenone (4 methyl benzophenone) are not used Acrylamide is not used in printers and board mills	N/A
Packaging chemical migration test	low odour and migration inks and varnishes to ensure migration legislative limits on benzophenone and its derivatives are met ITX is not used as a photo initiator in printed inks	N/A
Non-intentionally added substances (NIAS)	Migration tests for packaging materials available.	Yes
Nano particles	The packaging migration test include all legislatives chemical and Tinuvin UV absorber, phthalates and monomers – SVHCs Phthalates in plastic foils and bags	Yes
PVC & PVCD	The packaging is free from impurities that may be non-intentionally added to food-contact packaging material including substances such as contaminants, reaction and degradation products	Yes
Mineral Oil Hydrocarbons	The packaging does not contain or consist of engineered nanoparticles	Yes
Chemical substance of very high concern (SVHC)	The plastic material is free from PVC	Yes
Additives	Migration of Mineral Oil Hydrocarbons (MOH), must meet German MOSH Benchmark Levels (send test report) and EU limits on MOAH	Yes
Recycled plastics	The packaging does not contain or use acrylamides, novolac glycidyl ethers, perfluoro-octane sulphonate, phthalates, NOGE, PFOS & PFOAS, PVC and Derivatives, Semi-carbazides, 4-methylbenzophenone	Yes
Bisphenol A	The material complies with EU food contact material legislation and does not contain dual additives chemicals e.g., Phosphoric Acid or Sulphur Dioxide	N/A
Metallized & rubber packaging e.g., foil bags	Comply with New Regulation (EU) 2022/16161 on recycled plastic materials and articles intended to come into contact with foods.	No
Compostable packaging	Does the packaging material for organic raw material contain Bisphenol in plastics and epoxy resin? Packaging material does not contain Bisphenol and meet the limits Bisphenol A (BPA) BADGE, BFDGE, NODGE	Yes
	The compostable/biodegradable packaging complies with European Standard for Compostable Packaging (EN13432)	N/A

The packaging is in accordance with the EU Legislation:

- Council Directive on Packaging and Packaging Waste 94/62/EC and its consecutive amendments.
- Commission Regulation (EC) No 1935/2004 on Materials and Articles Intended to Come into Contact with Food and its consecutive amendments.
- Commission Regulation (EU) No 10/2011 on Plastic Materials and Articles Intended to Come into Contact with Food and its consecutive amendments.

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GMO FREE

This product is not subject to genetic modifications. Process controls are in place to ensure no accidental contamination with genetically modified materials, or materials derived thereafter, can occur. We hereby certify that this product is not subject to labelling under EU Regulations 1829/2003/EC and 1830/2003/EC on genetically modified food and feed.

WADA Statement

We declare that our products do not contain any of the substances mentioned in the Yearly updated “Prohibited List” from the World Anti-Doping Agency.

PESTICIDES

This product complies with the requirements outlined in Regulation (EU) 2018/848 of the European Parliament and of The Council (and consecutive amendments). It also complies with Soil Association strict organic farming standards. During the manufacturing process the product and the packaging materials are not exposed to pesticides or pesticide residues. Pesticides are not stored on site, nor used in the manufacturing or warehousing areas.

IRRADIATION AND ETHYLENE OXIDE

We declare that the product listed above is not treated with ionizing radiation (r2) or ethylene oxide (EtO) for any purposes and as such are free of gamma ray and ethylene oxide residue and complies with the EU regulation 1999/3/EC

BSE STATEMENT

This product is manufactured exclusively from plant source, and does not contain any components from animal origin. It has not been derived from any animal source, and has not come into contact with any components of animal origin.

RESIDUAL SOLVENTS

No residual solvents are used in the manufacturing process.

LEVEL OF UNDESIRABLE SUBSTANCES

The strictly controlled production process of this product ensures that the undesirable substances levels (heavy metals, PAH, mycotoxins, etc.) are below the limits identified by EU legislation (No 2023/915 on maximum levels for certain contaminants in food and consecutive amendments, Commission Regulation No 2073/2005, including the recommendations provided by EFSA on food contaminants.

ANIMAL TESTING STATEMENT

Go Superfoods Ltd confirms that we do not conduct or commission animal testing of any products.

ENDANGERED SPECIES OF FAUNA AND FLORA

None of our products are listed as banned on the world Convention on International Trade of Endangered Species of Fauna and Flora (CITES).

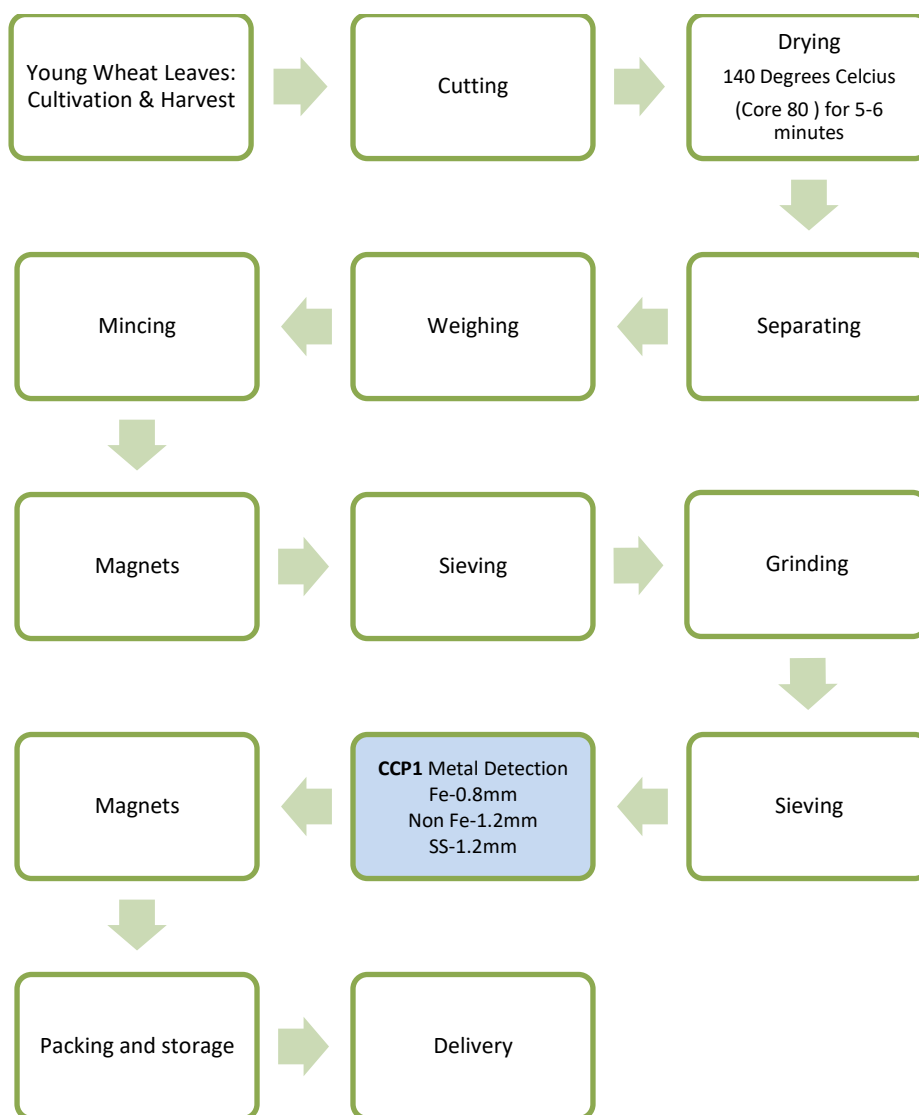
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NOVEL FOODS

This product complies with the Regulation (EU) 2015/2283 of the European Parliament and of the Council of 25 November 2015 on novel foods, amending Regulation (EU) No 1169/2011 of the European Parliament and of the Council and repealing Regulation (EC) No 258/97 of the European Parliament and of the Council and Commission Regulation (EC) No 1852/2001.

PROCESS FLOW



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MATERIAL SAFETY DATA SHEET

INGREDIENTS

100% Organic Wheatgrass

HAZARD IDENTIFICATION

Not classed as hazardous

FIRST AID MEASURES

SKIN

Wash with plenty of water.

INHALATION

Remove exposure. Seek medical attention if required.

EYES

Wash out with plenty of water / eye solution. Seek medical attention if irritation persists.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use appropriate media relating to other components of fire- can use: water spray, foam, dry chemical or carbon dioxide.

SPECIAL HAZARDS OF PRODUCT

Not Flammable

PROTECTIVE EQUIPMENT FOR FIREFIGHTING

Wear full protective clothing and self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

SPILLAGES

Treat as any other food material

PERSONAL PRECAUTIONS

No special procedures identified

ENVIRONMENTAL PRECAUTIONS

Minimize contamination of drains, surface and ground waters.

HANDLING AND STORAGE

HANDLING

Handle under good hygiene procedures as with any food material.

STORAGE

Store away from air, heat and light exposure. Store in original container in cool and dry area.

EXPOSURE CONTROL / PERSONAL PROTECTION

BODY PROTECTION

Normal work wear

SKIN PROTECTION

Rubber / PVC gloves

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EYE PROTECTION

Chemical goggles

RESPIRATORY PROTECTION

As it is powder form- respiratory protection may be required

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

Powder

SOLUBILITY IN WATER

Partially Soluble

AUTO-FLAMMABILITY

No

STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions. Avoid exposure to air, light and humidity.

CONDITIONS TO AVOID

None Identified.

TOXICOLOGY INFORMATION

Not applicable

ECOLOGICAL INFORMATION

This product is ultimately biodegradable.

DISPOSAL CONSIDERATIONS

Dispose of according to relevant local / national guidelines.

TRANSPORT INFORMATION

Non-hazardous for air, sea and road freight.

REGULATORY INFORMATION

No data

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ADDITIONAL INFORMATION

This Product is 100% Natural and Organic; it is not considered hazardous.

The information in this document is believed to be true and accurate at the time of creation, however all statements contained in this document are made without warranty. The entirety of the potential methods of use is not within our control and therefore no responsibility or liability will be assumed for use of this product.

Version No:	Review Date:	Reason for the change	Changed by:	Authorized by:
3	23/08/2023	Updated into new format including packaging information.	G. Worrall	J. Chang
4	22/05/2024	Update to new template	E. Sam	T. Kufa

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Specification Agreement and Authorization

Please sign and return this page within 14 days of receipt of the specification.

If after a total of 28 days from the receipt of the specification we have not received either the signed acceptance page or discussed and recorded any derogation or deviation from this specification, we will deem that the specification has been accepted.

No further contact regarding formal approval of this specification will be made.

Allergens:-When purchased in bulk size original packaging, manufacturer allergen policy will apply. When purchased in quantities that need re-packaging, our allergen policy will apply.						
Component	Manufacturer			Nuts in Bulk (Applies when bought in small quantities that need re-packaging)		
	In Product	Processed in Same Equipment	Handled on Site	In Product	Processed in Same Equipment	Handled on Site
Cereals containing GLUTEN and products thereof	NO	NO	NO	NO	YES	YES
EGGS or its derivatives	NO	NO	NO	NO	NO	NO
FISH or its derivatives	NO	NO	NO	NO	NO	NO
CRUSTACEANS / SHELLFISH	NO	NO	NO	NO	NO	NO
MOLLUSCS	NO	NO	NO	NO	NO	NO
PEANUTS or derivatives	NO	NO	NO	NO	YES	YES
SOYA BEANS or derivatives	NO	NO	NO	NO	YES	YES
MILK (LACTOSE) or its derivatives	NO	NO	NO	NO	YES	YES
NUTS , tree nuts:	NO	NO	NO	NO	YES	YES
CELERY, including celeriac and its derivatives	NO	NO	NO	NO	YES	YES
MUSTARD, referring to all parts of the plant and derivatives thereof	NO	NO	NO	NO	YES	YES
SESAME SEEDS or derivatives	NO	NO	NO	NO	YES	YES
SULPHITES >10ppm – Sulphite quantity to be given in ppm	NO	NO	NO	NO	YES	YES
LUPIN seeds or derivatives	NO	NO	NO	NO	NO	NO