

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

PRODUCT INFORMATION

BOTANICAL NAME Hordeum Vulgare

COUNTRY OF ORIGIN Germany, Hungary

BRIEF DESCRIPTION Considered to be the first cereal grain cultivated by humans, the uses of barley date back to 7000 BC. Our Barley Grass is organically grown on the fertile plains by European (German) farmers. Barley Grass is harvested whilst the plant is still young at its nutritional peak. It is then processed at one of the largest, highly innovative, and most efficient dehydration plants in Europe. The final processing step involves milling barely grass into a fine powder form. It takes 5kg of fresh leaves to produce 1kg of powder.

Our Organic Barley Grass 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 Barley Grass

INTENDED USE Use as an Ingredient

SUGGESTED USE Add 3-5g to juice or smoothie.

PACKAGING/ NET WEIGHT Food contact grade bag/ 20kg

SHELF LIFE & STORAGE 36 months from production in unopened original packaging. Store in cool, dry place. At max 25 degrees C, relative humidity max 60%.

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

NUTRITIONAL INFORMATION

Nutrition	Per 100g	Units	% RI
Energy	1224/293	kJ/kcal	
Fat	1.2	g	
of which saturates	0	g	
of which mono-unsaturates	0	g	
of which polyunsaturates	0.8	g	
Carbohydrate	40	g	
of which sugars	9.6	g	
Fibre	36	g	
Protein	13	g	
Salt	0.24	g	
Vitamin C	93	mg	116%
Calcium	419	mg	52%
Magnesium	144	mg	38%
Iron	16	mg	114%

AUTHORISED HEALTH BENEFITS BASED ON MICRONUTRIENTS

Micronutrients in this product contribute to:

- ✓ normal function of blood vessels

✓ normal function of bones

✓ normal function of cartilage

✓ normal function of gums

✓ normal function of skin

✓ normal function of teeth

✓ increases iron absorption

✓ normal blood clotting

✓ normal muscle function

✓ normal function of digestive enzymes

✓ maintenance of normal teeth

✓ normal growth and development of bone in children

✓ electrolyte balance

✓ normal oxygen transport in the body

✓ normal macronutrient metabolism

✓ normal metabolism of vitamin A
- ✓ normal energy-yielding metabolism

✓ maintenance of normal vision

✓ normal psychological function

✓ normal function of the immune system

✓ protection of cells from oxidative stress

✓ reduction of tiredness and fatigue

✓ regeneration of the reduced form of vitamin E

✓ normal energy-yielding metabolism

✓ normal neurotransmission

✓ process of cell division and specialisation

✓ reduce the loss of bone mineral in post-menopausal women

✓ normal protein synthesis

✓ process of cell division

✓ formation of red blood cells and haemoglobin

✓ normal cognitive development of children

✓ normal carbohydrate metabolism

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.

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.

09-03-1001DOC	Technical Data Specification
---------------	------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

ORGANOLEPTIC PROPERTIES

Appearance/Texture	Fine powder
Flavour	Characteristic
Aroma	Characteristic
Colour	Light Green

PHYSICAL CHARACTERISTICS

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

CHEMICAL CHARACTERISTICS

Moisture	< 6%
Ash	N/A
Water Activity	N/A

MICROBIOLOGICAL CHARACTERISTICS

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

DIETARY INFORMATION

Diet	Suitable For	Certified?	Comments
Organic	Yes	Yes	
Vegetarian	Yes	Yes	
Vegan	Yes	Yes	
Jewish / Kosher	Yes	Yes	
Muslin / Halal	Yes	No	Suitable but not certified

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

ALLERGEN STATEMENT

We hereby certify that this product sold by Go Superfoods Ltd does not contain any substances causing allergies or intolerances as ingredients or by possibility of cross contamination. The list of allergens which are likely to cause adverse reactions in susceptible individuals is provided in Annex II of Regulation (EU) No 1169/2011. Please note that this statement is based on the information provided by the manufacturer of the product.

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

Heavy Metals (lead, cadmium, mercury, tin, arsenic)
Polycyclic Aromatic Hydrocarbons (PAH)

According to Regulation (EU) No 2023/915.
According to Regulation (EU) No 2023/915

PACKAGING

<i>Packaging description</i>	Gussetted tubular bags, blue opaque, unprinted (PE / EVOH) and Carton
<i>Pack size</i>	20kg
<i>Objective Criteria</i>	N/A
Material Specification	
<i>Primary packaging</i>	Gussetted tubular bags, blue opaque, unprinted (PE / EVOH)
<i>Print (Litho/Flexo)</i>	N/A

09-03-1001DOC	Technical Data Specification
---------------	------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

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			

Quality, Regulatory & Brand Integrity Compliance

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
	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
Paper & board	The packaging is chlorine free (TCF) or elemental chlorine free (ECF)	Yes

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

Printed packaging	Photo initiators –including benzophenone (4 methyl benzophenone) are not used	Yes
	Acrylamide is not used in printers and board mills	Yes
	low odor and migration inks and varnishes to ensure migration legislative limits on benzophenone and its derivatives are met	N/A
	ITX is not used as a photo initiator in printed inks	N/A
Packaging chemical migration test	Migration tests for packaging materials available.	Yes
Non-intentionally added substances (NIAS)	The packaging migration test include all legislatives chemical and Tinuvin UV absorber, phthalates and monomers – SVHCs Phthalates in plastic foils and bags	Yes
	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
Nano particles	The packaging does not contain or consist of engineered nanoparticles	Yes
PVC & PVCD	The plastic material is free from PVC	Yes
Mineral Oil Hydrocarbons	Migration of Mineral Oil Hydrocarbons (MOH), must meet German MOSH Benchmark Levels (send test report) and EU limits on MOAH	Yes
Chemical substance of very high concern (SVHC)	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
Additives	The material complies with EU food contact material legislation and does not contain dual additives chemicals e.g., Phosphoric Acid or Sulphur Dioxide	Yes
Recycled plastics	Comply with New Regulation (EU) 2022/16161 on recycled plastic materials and articles intended to come into contact with foods.	N/A
Bisphenol A	Does the packaging material for organic raw material contain Bisphenol in plastics and epoxy resin?	No
Metallized & rubber packaging e.g., foil bags	Packaging material does not contain Bisphenol and meet the limits Bisphenol A (BPA) BADGE, BFDGE, NODGE	Yes
Compostable packaging	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.

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 labeling 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

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

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 (Commission regulation No 2073/2005, No 2023/915 and consecutive amendments), 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.

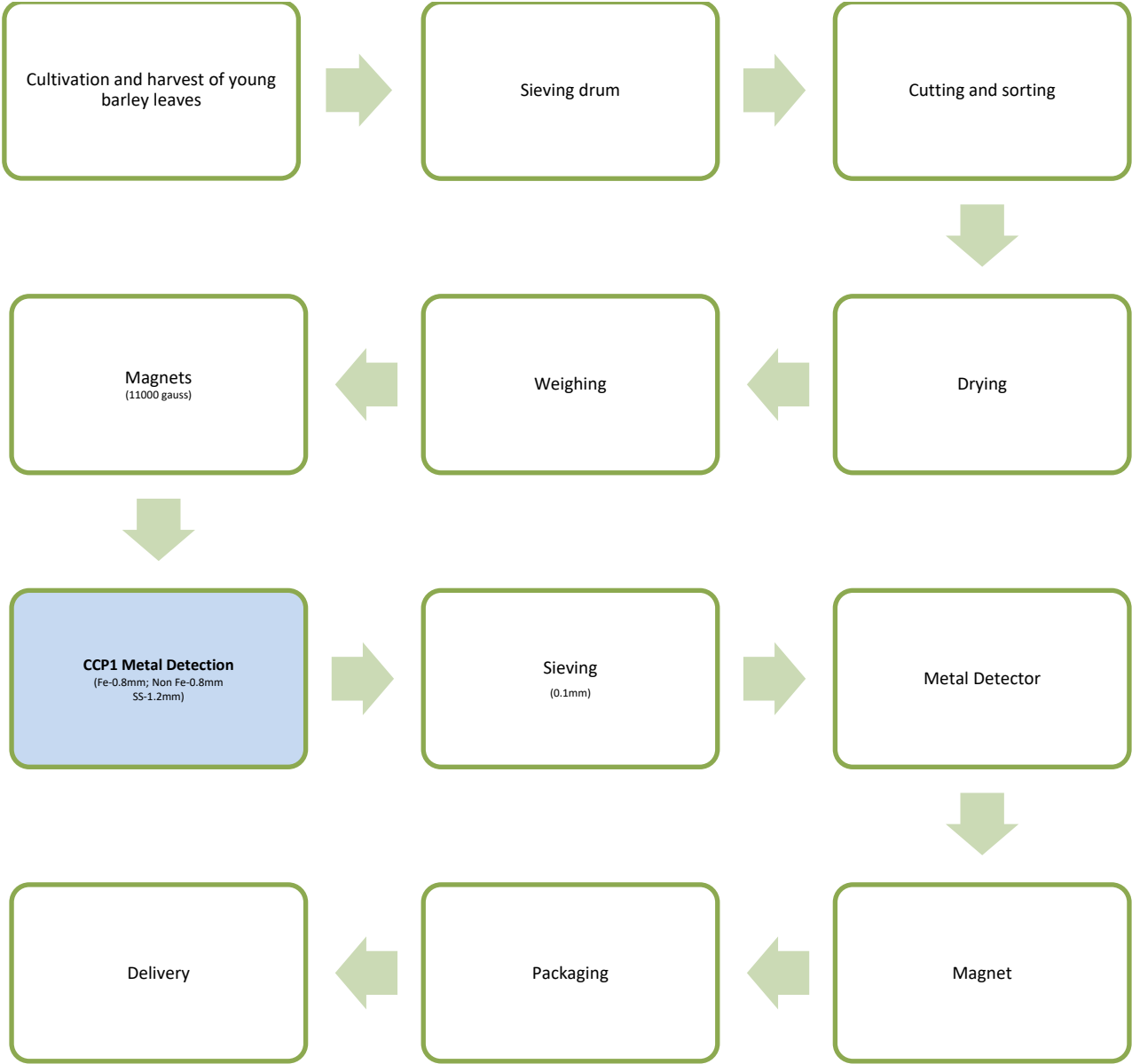
ENDANGERED SPECIES OF FAUNA AND FLORA

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

09-03-1001DOC	Technical Data Specification
---------------	------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

PROCESS FLOW



09-03-1001DOC		Technical Data Specification			
Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

MATERIAL SAFETY DATA SHEET

INGREDIENTS	100% Organic Barley Grass
HAZARD IDENTIFICATION	Not classed as hazardous
FIRST AID MEASURES	
SKIN	Wash with plenty of water.
INGESTION	Seek medical attention if required.
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 area, under cover.

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

EXPOSURE CONTROL / PERSONAL PROTECTION

BODY PROTECTION	Normal work wear
SKIN PROTECTION	Rubber / PVC gloves
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
-------------------------------	---------

ADDITIONAL INFORMATION

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

This is an agricultural product; therefore, some batch variation may occur in terms of colour, flavour, odour, appearance and composition based on the growing conditions and seasonal variability.

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

DISCLAIMER

- 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 information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of safety requirements. Therefore, it should not be construed as guaranteed specific properties of the product described.
- 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.
- Our product specification may be subject to change without notice.

Version No:	Review Date:	Reason for the change	Changed by:	Authorized by:
3	23/08/2023	Put all information into new format to include packaging, WADA statement, Endangered species statement.	G.Worrall	J. Chang
4	13/03/2025	Updating COO information	E. Sam	S. Chidzomba

09-03-1001DOC	Technical Data Specification
----------------------	-------------------------------------

Product Code:	BULK06BARLEYGRASS	Technical Data Specification ID:	TDS-BULK06BARLEYGRASS	Issue:	4
Product Name:	ORGANIC BARLEY GRASS POWDER (EU)			Date:	13/03/2025

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