

Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3

Product Name: ORGANIC HEMP SEED PROTEIN POWDER Date: 05.03.2024

#### PRODUCT INFORMATION

BOTANICAL NAME Cannabis Sativa

COUNTRY OF ORIGIN Netherlands, United Kingdom, Romania, Lithuania

BRIEF DESCRIPTION A seed of cannabis Sativa L, hemp is a non-drug variety of cannabis. This remarkable

"superfood" is an excellent protein source embodying essential amino acids. Hemp seeds are an optimum source for fatty acids including omega 3-6-9 and vital minerals. The two main proteins in hemp seed are edestin and albumin. These high-quality storage proteins are easily digested and contain nutritionally significant amounts of amino acids.

Reminiscent of a sunflower seed, raw hemp seeds are selected for the finest quality and then pressed at 43°C to separate the hemp oil from the solids to form a paste. Once the paste has dried into a cake, it is stone ground to hemp powder. The hemp seed powder is sifted to reduce fibre content whilst preserving a high proportion of protein. Organic Hemp Seed protein embodies a high protein content, which includes essential amino acids.

Organic Hemp seed Protein 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 Hemp Protein Powder Isolate

INTENDED USE Ready to use or as an ingredient

SUGGESTED USE 20-30g per day. Please consult your doctor before taking any nutrient-dense products.

PACKAGING/ NET WEIGHT 20kg polythene bag

SHELF LIFE & STORAGE 24 months from the manufacture date. Store in a cool, dry place.



Product Code:	BULK01HEMP	Technical Data Specification ID:  TDS-BULK01HEM		Issue:	3
Product Name:	ORGANIC HEMP SEED PROTEIN POWDER			Date:	05.03.2024

#### NUTRITIONAL INFORMATION

110 THITIONAL IN CHINA TION			
Nutrition	Per 100g	Units	% RI
Energy	1454/348	kJ/kcal	
Fat	8.4	g	
of which saturates	1.2	g	
of which mono-unsaturates	1.1	g	
of which polyunsaturates	5.8	g	
Carbohydrate	5.1	g	
of which sugars	4.2	g	
Fibre	26	g	
Protein	50	g	
Salt	0	g	
Magnesium	724	mg	193%
Manganese	18	mg	875%

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

## **AUTHORISED HEALTH BENEFITS BASED ON MICRONUTRIENTS**

Micronutrients in this product contribute to:

- ✓ reduction of tiredness and fatigue
- ✓ electrolyte balance
- ✓ normal energy-yielding metabolism
- normal functioning of the nervous system
- ✓ normal muscle function
- ✓ normal formation of connective tissue

- ✓ the process of cell division
- normal protein synthesis
- √ normal psychological function
- √ the maintenance of normal bones
- ✓ the maintenance of normal teeth
- ✓ protection of cells from oxidative stress

These approved health benefits are based on the detailed nutritional composition of the product we supply and in compliance with regulation (EC) No 1924/2006. These health benefits may not be applicable to similar products from other suppliers. We recommend that any claims ma for a product are verified by lab analysis. For a vitamin claim, this should take place at the end of shelf-life.

#### **ORGANOLEPTIC PROPERTIES**

Appearance/TextureFine PowderFlavourNuttyAromaCharacteristic

Colour varies from bright green to green with shades of light brown



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANIC HEMP SEED PROTEIN POWDER			Date:	05.03.2024

#### PHYSICAL CHARACTERISTICS

 $\begin{tabular}{lll} Sieve Size & 280 \mu m \\ Foreign Materials & Absent \\ Solubility & N/A \\ Density & 0.52 g/cm^3 \end{tabular}$ 

### CHEMICAL CHARACTERISTICS

 Moisture
 Max. 8%

 Ash
 N/A

 Water Activity
 N/A

 THC
 <3mg/kg</th>

#### MICROBIOLOGICAL CHARACTERISTICS

Name	Maximum Limit	UoM
Plate Count	≤1000000	cfu/g
Yeast	≤10000	cfu/g
Mold	≤10000	cfu/g
E. Coli	≤20	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



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANIC HEMP SEED PROTEIN POWDER				05.03.2024

#### **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.

Alergens:-When purchased in bulk size original packaging, manufacturer allergen policy will apply.  When purchased in quantities that need re-packaging, our allergen policieis will apply.								
Component		Manufacture	r	Nuts in Bulk ( Applies when bought in sn quantities that need re-packa				
	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	NO	NO	NO	NO	YES	YES		
thereof								
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		

### CONTAMINANTS

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

### PACKAGING

Packaging description	Vacuum Bags, cardboard box			
Pack size	20kg			
Objective Criteria	N/A			
Material Specification				



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

Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANIC HEMP SEED PROTEIN POWDER			Date:	05.03.2024

Primary packaging	Vacuum Bags (Laminat	Vacuum Bags (Laminated Film with print PET/PE WHITE					
Print (Litho/Flexo)	N/A	N/A					
Colours	Yellow	Yellow					
Material	Laminated Film with p	rint PET/PE Wh	nite				
Packaging dimension in mm (L*W*H)	750x520mm				Thicl	kness	0,152mm
Weight of packaging	0.2Kg						
Content of plastic food contact material (%)		N/A		Content of metal & r	rubber (%)		N/A
Recyclability	Partially-50%						
Lamination/Layers	N/A		Cod	ating		N/A	
Sealing method	Heat sealing	Heat sealing					
Secondary packaging	Cardboard Box						
Print (Litho/Flexo)	N/A						
Colours	Brown						
Material	Paper/ Board Corrugat	ed					
Packaging dimension in mm (L*W*H)	1120x94x1080				Thicl	kness	6,5mm
Weight of packaging	1.414kg	1.414kg					
Content of plastic food contact material (%)	(%) 0%			Content of metal & r	rubber (%)		N/A
Recyclability	100% Recycled						
Lamination/Layers	N/A Coating			N/A			
Sealing method	N/A						

### Quality, Regulatory & Brand Integrity Compliance

Category

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



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANIC HEMP SEED PROTEIN POWDER				05.03.2024

Paper & board	The packaging is chlorine free (TCF) or elemental chlorine free (ECF)	Yes
	Photo initiators –including benzophenone (4 methyl benzophenone) are not used	Yes
	Acrylamide is not used in printers and board mills	Yes
Printed packaging	low odor and migration inks and varnishes to ensure migration legislative limits on benzophenone and its derivatives are met	No
	ITX is not used as a photo initiator in printed inks	No
Packaging chemical	Migration tests for packaging materials available.	Yes
migration test	The packaging migration test include all legislatives chemical and Tinuvin UV absorber, phthalates and monomers – SVHCs Phthalates in plastic foils and bags	Yes
Non-intentionally added substances (NIAS)	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, <b>NODGE</b>	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



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANI	C HEMP SEED PROT	EIN POWDER	Date:	05.03.2024

#### **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.

#### **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 (Commission regulation No 2073/2005, No 1881/2006 and consecutive amendments), including the recommendations provided by EFSA on food contaminants.

#### PRODUCT INTEGRITY STATEMENT

### Novel Food Statement

Cannabis Sativa: In the EU, the cultivation of Cannabis sativa L. varieties is permitted provided they are registered in the EU's 'Common Catalogue of Varieties of Agricultural Plant Species' and the tetrahydrocannabinol (THC) content does not exceed 0.2 % (w/w). Some products derived from the Cannabis sativa plant or plant parts such as seeds, seed oil, hemp seed protein flour, defatted hemp seed have a history of consumption in the EU and therefore, are not novel.

Other specific national legislation may restrict the placing on the market of this product as a food or food ingredient in some Member States.



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANI	C HEMP SEED PROT	EIN POWDER	Date:	05.03.2024

Our Organic Hemp Protein powder which is produced from Organic Hemp Seeds contains tetrahydrocannabinol (THC) levels of less than 0.2% (w/w) as permitted by European Union Regulation (EU) 2015/2283 (Novel Food Regulation):

#### • Tetrahydrocannabinol (THC)

Our Organic Hemp Protein Powder complies with (EU) 2023/915of 25 April 2023 on maximum levels for certain contaminants in food. The legislation sets the maximum levels of delta-9-tetrahydrocannabinol ( $\Delta 9$  -THC) in hemp seeds and products derived therefrom 3.0mg/kg.

\*The maximum level refers to the sum of delta-9-tetrahydrocannabinol ( $\Delta 9$  -THC) and delta-9-tetrahydrocannabinolic acid ( $\Delta 9$  -THCA), expressed as  $\Delta 9$  -THC. A factor of 0,877 is applied to the level of  $\Delta 9$  -THCA and the maximum level refers to the sum of  $\Delta 9$  -THC + 0,877 x  $\Delta 9$  -THCA (in case of a separate determination and quantification of  $\Delta 9$  -THC and  $\Delta 9$  -THCA).

#### • Cannabidiol (CBD)

This product does not contain any leaves and inflorescences of hemp - cannabis and products containing cannabinoids derived from it is not allowed.

Our organic hemp seed protein products derived from the Cannabis sativa L seeds. The seeds part are the authorized plant part There is a significant history of consumption of hemp seed flour, defatted hemp seed have a history of consumption in the EU and therefore, are not novel under European Union Regulation (EU) 2015/2283 (Novel Food Regulation).

All hemp seed seeds contain The product contains natural levels of CBD at levels of less than <10 mg/kg which is our internal limit. Consumption of this product following the labelled instructions does not result in consumption of more than 10mg a day.

### **ANIMAL TESTING STATEMENT**

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

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. Our product specification may be subject to change without notice.

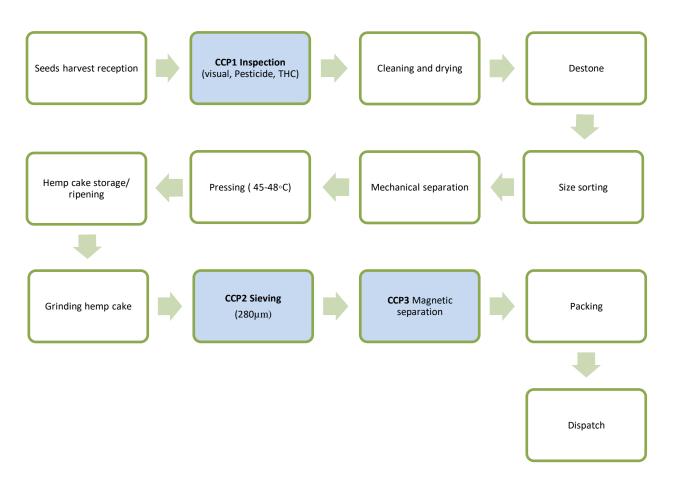
This is an agricultural product; therefore, some batch variation may occur in terms of colour, flavour, odour, appearance and composition based on the growing conditions and seasonal variability.

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.



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANI	NIC HEMP SEED PROTEIN POWDER		Date:	05.03.2024

### **PROCESS FLOW**





Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3	
Product Name:	ORGANI	C HEMP SEED PROT	EIN POWDER	Date:	05.03.2024	l

### **MATERIAL SAFETY DATA SHEET**

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** 

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.

**EXPOSURE CONTROL / PERSONAL PROTECTION** 

BODY PROTECTION Normal work wear



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANI	ORGANIC HEMP SEED PROTEIN POWDER		Date:	05.03.2024

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 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.



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANIC HEMP SEED PROTEIN POWDER		Date:	05.03.2024	

Version No:	Review	Reason for the change	Changed	Authorized by:
	Date:		by:	
1	21.02.2023	Merging previous specifications documents:  - Product Specification GO053, issue 3.1, issued 09/09/2020  - Material Safety Data Sheet GO205, Issue 3, Issued 13/02/2020  - Product Flow Chart GO345, Issue 3, Issued 15/04/2020  - Technical Data Sheet, GO134, Issue 5.4, Issued 30/08/2022) into one document.  No food safety data changes involved.	E. Frydrych	T. Kufa
2	13.03.2023	TBC content updated to reflect legislation change (Commission Regulation (EU) 2022/1393 amending Regulation (EC) No 1881/2006 as regards maximum levels of delta-9-tetrahydrocannabinol in hemp seeds and products derived therefrom	E. Frydrych	T. Kufa
3	05.03.2024	Updating to new format	D.Krishnan	T. Kufa



Product Code:	BULK01HEMP	Technical Data Specification ID:	TDS-BULK01HEMP	Issue:	3
Product Name:	ORGANI	ANIC HEMP SEED PROTEIN POWDER		Date:	05.03.2024

## **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.

Supplier	Name	Position	Signature	Date
				05.03.2024
Customer	Name	Position	Signature	Date