

Specification Sheet

General Information	
Product name	Vegan protein blend
Standard	In house
Specification ref.	UK557243COH
Issue number	1
Date of Issue	24.10.2022
Package	Doypack / jar
Flavour	Cookie with honey
Form	Powder
Process used during production	Sieving components, mixing, filling dedicated bags, closing bags, packing according to the document of palletisation.
Suitable for vegetarians / Suitable for vegans	Yes / Yes
Density of material (loose / tapped) [g / cm ³]	0,42 / 0,59
Portion size [g]	30
Mass net [kg]	TBA
Country of origin	Poland (main ingredient China)
Analysis	Specification
Apperance	Beige powder
Aroma / Odour	Honey
Flavour	Cookie with honey
Moisture [%]	≤ 9
Contamination	No
Microbiology	
Enumeration of mesophilic aerobic bacteria	≤ 5x10 ⁴ CFU / g Typically ≤ 20 ³ CFU / g
Enumeration of fungi (molds and yeasts)	≤ 10 ³ CFU / g Typically ≤ 10 ² CFU / g
Detection of Escherichia coli	Absence in 1 g
Detection of coagulase-positive staphylococci (Staphylococcus aureus and other species)	Absence in 1 g
Detection of Salmonella spp.	Absence in 25 g
Heavy metals	
Cadmium	≤ 1,0 ppm
Lead	≤ 3,0 ppm
Mercury	≤ 0,1 ppm

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List of Ingredients (decreasing value)	
Compound	Function
Rice protein	Main ingredient
Pea protein	Main ingredient
Hemp protein	Main ingredient
Pumpkin protein	Main ingredient
Cookie aroma	Aroma
Xanthan gum E415	Thickener
Silicon dioxide E551	Anti – caking agent
Ammonia caramel E150c	Dye
Sucralose E955	Sweetener
Blend of digestive enzymes	Main ingredient
Masking aroma	Aroma
Honey aroma	Aroma
Salt	Flavour ingredient

Nutritional Information				
Portion [g]	30			
Nutritional Information	100 g	per portion		
Energy [kcal]	412,6	123,8		
Energy [kJ]	1727,5	518,3		
Protein (as it is) [g]	68,9	20,7		
Protein (in dry mass) [g]	75,8	22,7		
Carbohydrates [g]	3,2	1,0		
	of which sugar [g]	1,4	0,4	
Fats [g]	5,6	1,7		
	of which saturated fatty acids [g]	1,4	0,4	
Salt [g]	1,0	0,3		
	Per portion	RDI (%)	Per 100 g	RDI (%)
Omega 3 fatty acids (mg)	130,50	-	435,00	-
Omega 6 fatty acids (mg)	468,00	-	1560,00	-
Omega 9 fatty acids (mg)	104,40	-	348,00	-
Potassium (mg)	89,58	4,48	298,61	14,93
Calcium (mg)	8,42	1,05	28,08	3,51
Phosphorous (mg)	236,10	33,73	787,01	112,43
Magnesium (mg)	65,77	17,54	219,23	58,46
Iron (mg)	4,79	34,19	15,95	113,96
Zinc (mg)	0,30	3,00	1,00	10,00
Manganese (mg)	0,10	5,00	0,33	16,67
Vitamin E (mg)	0,63	5,21	2,09	17,38
Thiamine (mg)	0,09	8,47	0,31	28,23
Riboflavin (mg)	0,02	1,09	0,05	3,64
<i>Minerals and vitamins come from vegetable proteins.</i>				

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Enzymes Activity Information				
Enzyme	in portion		in 100 g of product	
	α -amylase (1,4 – alpha – D – glucan glucanohydrolase) (Origin: <i>Aspergillus oryzae</i>)	1200	SKB	4000
Protease (4.5) (Origin: <i>Bacillus licheniformis</i>)	300	HUT	1000	HUT
Lipase (Triacylglycerol acylhydrolase) (Origin: <i>Aspergillus oryzae</i>)	50	FIP	167	FIP
Laktase (Beta – D – galactosidase galactohydrolase) (Origin: <i>Aspergillus oryzae</i>)	200	ALU	667	ALU
Cellulase (4 - (1,3;1,4) – beta – D – glucan 4 – glucanohydrolase) (Origin: <i>Trichoderma reesei</i>)	10	CU	33	CU

Enzymes Origin Information
α -amylase (1,4 – alpha – D – glucan glucanohydrolase) (Origin: <i>Aspergillus oryzae</i>) (CAS: 9001-19-8; EC: 232-588-1; Enzyme commission: 3.2.1.1);
Protease (4.5) (Origin: <i>Bacillus licheniformis</i>) (CAS: 9014-01-1; EC: 232-752-2; Enzyme commission: 3.4.21.62);
Lipase (Triacylglycerol acylhydrolase) (Origin: <i>Aspergillus oryzae</i>) (CAS:9001-62-1; EC: 232-619-9; Enzyme commission: 3.1.1.3);
Laktase (Beta – D – galactosidase galactohydrolase) Origin: <i>Aspergillus oryzae</i>) (CAS: 9031-11-2; EC: 232-864-1; Enzyme commission: 3.2.1.23);
Cellulase (4 - (1,3;1,4) – beta – D – glucan 4 – glucanohydrolase)(Origin: <i>Trichoderma reesei</i>) (CAS: 9012-54-8, EC: 232-734-4, Enzyme commission: 3.2.1.4);

Amino acid profile	
Amino acid	g / 100 g of product
Aspartic acid	7,2
Glutamic acid	13,0
Serine	3,3
Glycine	3,2
Histidine	1,6
Arginine	7,0
Threonine	2,4
Alanine	3,9
Proline	3,0
Tyrosine	3,3
Valine	4,0
Methionine	1,2
Cysteine	1,6
Isoleucine	3,1
Leucine	6,2
Phenylalanine	3,7
Lysine	3,1
Tryptophan	0,8

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Allergens according to Regulation No. 1169/2011 and its amendments		
Allergen name	Present Yes/No	Additional information
BHA/BHT/Related compounds	No	
Bovine products or by-products	No	
Celery or products thereof	No	
Cereals containing Gluten (Wheat, rye, barley, oats, spelt, kamut or their hydrolysed strains) or products thereof	No	
Crustaceans/Shellfish or products thereof	No	
Eggs or products thereof	No	
Fish or products thereof	No	
Milk or Milk products (including lactose)	No	
Mustard seed or products thereof	No	
Nuts or products thereof	No	
Peanuts or products thereof	No	
Sesame seeds or products thereof	No	
SO ₂ or Sulphate at concentration over 10mg/kg	No	
Soya beans or products thereof	No	
Molluscs or products thereof	No	
Lupin or products thereof	No	

Instruction of use		
Mix	1	scoop
or	30 g	of product
in	300 ml	of water.

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Additional information

Expiry date: 18 months from the production date. Product should be used within 90 days after opening.

Storage conditions: Store the finished product in a sealed package in a dry place, away from direct sunlight at 18 – 25 °C. Keep out of reach of small children.

Transport conditions: the product must be transported in a clean and dry vehicle that has been approved for food transport.

Regulatory Statements:

GMO Status: This product is GMO FREE in accordance with EU Regulations 1829/2003 and 1830/2003.

Irradiation Status: This product has not been irradiated in accordance with EU directive 1999/2/EC of 22 February 1999 concerning foods and food ingredients treated with ionisation radiation.

Nano materials: This material is not produced using Nanotechnology and is free from Nano-particles, and so complies with EU regulations 1169/2011 and 2015/2283.

Contaminants: The product and its ingredients meet the requirements for maximum permitted levels of contaminants in foodstuffs laid down in Regulation No. 1881/2006, as amended.

Packaging: The primary packaging used for the blends manufactured at Global Blend are suitable for contact with food and in compliance with EC regulation 1935/ 2004 and its amendments thereof.

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