

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

Product Code:	BULK01BEETROOT	Technical Data Specification ID:	TDS-BULK01BEETROOT	Issue:	1
Product Name:	ORGANIC BEETROOT POWDER			Date:	22.02.2023

PRODUCT INFORMATION

BOTANICAL NAME Beta Vulgaris

COUNTRY OF ORIGIN Italy

BRIEF DESCRIPTION Beetroot, otherwise known as 'Red Beet' or simply just 'Beet' commonly refers to the main root portion of the 'Beta Vulgaris' plant. The dark red-purple colour of the root provides a vibrant colour to many foodstuffs, often seen across Eastern European cuisines. Add our Organic Beetroot Powder to smoothies, cakes, dips, salad dressings and soups for a characteristically sweet flavour and bright natural colouring. Organic Beetroot powder is certified organic by the Soil Association under the code GB-ORG-05.

INGREDIENTS 100% Organic Beetroot

INTENDED USE Ready to Eat or as an ingredient

SUGGESTED USE 5g per day. Please consult your doctor before taking any nutrient-dense products.

PACKAGING/ NET WEIGHT 25kg Polyethylene bag.

SHELF LIFE & STORAGE 18 months from date of manufacture. Store in a cool, dry place avoiding direct sunlight.

NUTRITIONAL INFORMATION

	Per 100g	Units
Energy	1030/249	kJ/kcal
Fat	< 0.5	g
of which saturates	< 0.1	g
of which mono-unsaturates	< 0.1	g
of which polyunsaturates	0.2	g
Carbohydrate	23	g
of which sugars	20	g
Fibre	55	g
Protein	11	g
Salt	0.5	g

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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ORGANOLEPTIC PROPERTIES

<i>Appearance/Texture</i>	Fine Powder
<i>Flavour</i>	Characteristic
<i>Aroma</i>	Characteristic
<i>Colour</i>	Red to Purple

PHYSICAL CHARACTERISTICS

<i>Sieve Size</i>	80
<i>Foreign Materials</i>	Absent
<i>Solubility</i>	N/A
<i>Density</i>	N/A

CHEMICAL CHARACTERISTICS

<i>Moisture</i>	Max. 10%
<i>Ash</i>	N/A
<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

PACKAGING

<i>Direct Contact Packaging</i>	Food Grade Bag
<i>Indirect Contact Packaging</i>	Cardboard Box

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.

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- Commission Regulation (EU) No 10/2011 on Plastic Materials and Articles Intended to Come into Contact with Food and its consecutive amendments.

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

Alergens:-When purchased in bulk size original packaging, manufacturer allergen policy will apply.
When purchased in quantities that need re-packaging, our allergen policies 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

CONTAMINANTS

Heavy Metals (lead, cadmium, mercury, tin, arsenic)
Mycotoxins (aflatoxins, ochratoxin A, patulin)
Nitrates

According to Regulation (EC) No 1881/2006 and 629/2008.
According to Regulation (EC) No 1881/2006.
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Polycyclic Aromatic Hydrocarbons (PAH)

According to Regulation (EU) No 2015/1933

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.

ANIMAL TESTING STATEMENT

NutsinBulk 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.

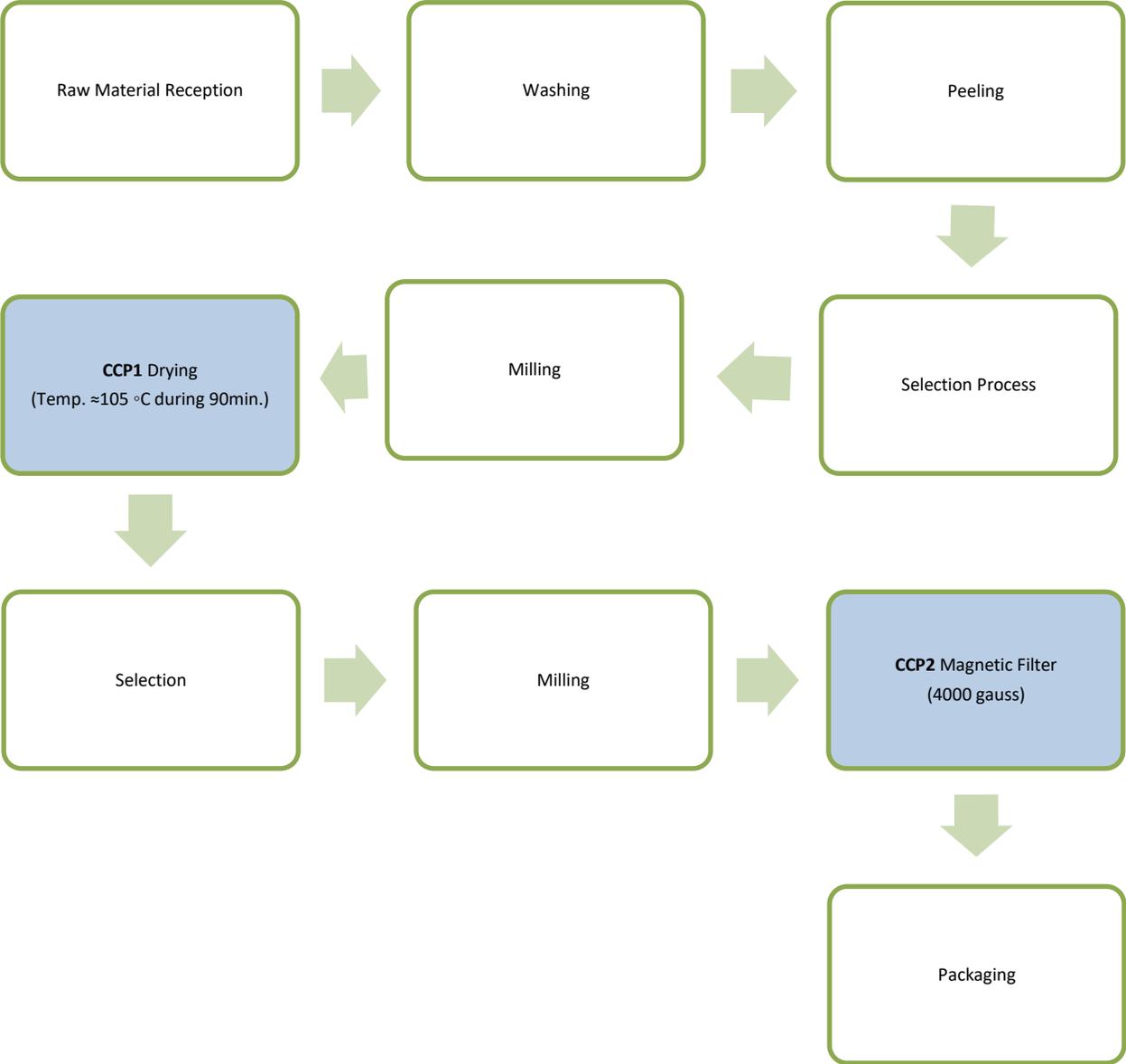
The nutritional information provided in this document is based on nutritional testing and on average, as required by regulation (EC) No 1169/2011. The information is not meant to ensure warranty of characteristics. It comes without commitment and is not valid for any claim of warranty and product liability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

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PROCESS FLOW



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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

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.

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EXPOSURE CONTROL / PERSONAL PROTECTION

BODY PROTECTION	Normal work wear
SKIN PROTECTION	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

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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:
1	22.02.2023	Merging previous specifications documents: <ul style="list-style-type: none"> - Product Specification GO023, issue 2, issued 20/08/2019 - Material Safety Data Sheet GO369, Issue 2, Issued 14/04/2020 - Product Flow Chart GO340, Issue 2.1, Issued 28/02/2019 - Technical Data Sheet, GO247, Issue 5.1, Issued 30/01/2020) into one document. No food safety data changes involved.	E. Frydrych	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.

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