

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

Product Code:	BULK01BAOBAB	Technical Data Specification ID:	TDS-BULK01BAOBAB	Issue:	3
Product Name:	ORGANIC BAOBAB POWDER			Date:	25/09/2023

PRODUCT INFORMATION

BOTANICAL NAME Adansonia Digitata

COUNTRY OF ORIGIN South Africa

BRIEF DESCRIPTION An icon of the African Savanna, the Baobab tree, produces hard fruit with soft and nutritious pulp inside the shell. The fruit pulp extracted from the hard pods is used to produce a raw powder that offers a high micronutrient profile: vitamins, trace minerals and antioxidants. Baobab powder is an excellent source of Vitamin C, Potassium, Magnesium and Calcium. It also acts as a prebiotic due to its high fibre contents. Not only does the Baobab offer a high array of nutrients, but it also has a pleasant citrusy flavour making it an excellent choice to add to a wide range of foods and beverages: smoothies, juices, yoghurts, desserts, and fruit salads.

Our Organic Baobab 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 Baobab Powder

INTENDED USE Ready to eat or as an ingredient

SUGGESTED USE 5g per day.

PACKAGING/ NET WEIGHT Food Grade Biaxial Orientated (BO) Nylon bag/ 10Kg

SHELF LIFE & STORAGE 3 years from the date of manufacture. Store in a cool, dry place.

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Reason for change	Endangered species of Fauna and Flora Statement added			DOC Number	09-03-1001DOC

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NUTRITIONAL INFORMATION

Nutrition	Per 100g	Units	% RI
Energy	1080/258	kJ/kcal	
Fat	0	g	
of which saturates	0	g	
of which mono-unsaturates	0	g	
of which polyunsaturates	0	g	
Carbohydrate	44	g	
of which sugars	25	g	
Fibre	36	g	
Protein	2.6	g	
Salt	0	g	
Vitamin C	233	mg	291%
Potassium	2000	mg	100%
Calcium	299	mg	37%
Magnesium	168	mg	45%

AUTHORISED HEALTH BENEFITS BASED ON MICRONUTRIENTS

Micronutrients in this product contribute to:

- ✓ normal collagen formation
- ✓ normal function of blood vessels
- ✓ normal function of bones
- ✓ normal function of cartilage
- ✓ normal function of gums
- ✓ normal function of skin
- ✓ regeneration of the reduced form of vitamin E
- ✓ iron absorption
- ✓ normal blood clotting
- ✓ normal muscle function
- ✓ process of cell division and specialisation
- ✓ normal function of teeth
- ✓ normal energy-yielding metabolism
- ✓ normal functioning of the nervous system
- ✓ normal psychological function
- ✓ normal function of the immune system
- ✓ protection of cells from oxidative stress
- ✓ reduction of tiredness and fatigue
- ✓ normal neurotransmission
- ✓ normal function of digestive enzymes
- ✓ electrolyte balance
- ✓ normal protein synthesis
- ✓ normal blood pressure

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.

ORGANOLEPTIC PROPERTIES

Appearance/Texture

Fine Powder

Flavour

Caramel Pear with Tones of Grapefruit

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Aroma

Sour with a Hint of Caramel

Colour

Light Beige to White

PHYSICAL CHARACTERISTICS

Particle Size

<144 µm

Foreign Materials

≤0.2% (seed and fibres)

Solubility

Partially soluble in Water

Density

N/A

CHEMICAL CHARACTERISTICS

Moisture

< 13%

Ash

N/A

Water Activity

N/A

MICROBIOLOGICAL CHARACTERISTICS

Name	Maximum Limit	UoM
Plate Count	≤100000	cfu/g
Yeast	≤10000	cfu/g
Mold	≤10000	cfu/g
E. Coli	Not Detected	cfu/g
Salmonella	Not Detected	/25g
Bacillus Cereus	≤1000	cfu/g
Listeria	Not Detected	/25g
Clostridium Perfringens	≤10000	cfu/g
Staphylococcus Aureus	≤100	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

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**Allergens:-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
Polycyclic Aromatic Hydrocarbons (PAH)

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

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PACKAGING

<i>Packaging description</i>	Blue polyethylene LDPE LF bags, Brown OMP Kraft bag				
<i>Pack size</i>	20kg				
<i>Objective Criteria</i>	N/A				
Material Specification					
<i>Primary packaging</i>	Blue polyethylene LDPE LF bags Brown OMP Kraft bag				
<i>Print (Litho/Flexo)</i>	N/A				
<i>Colours</i>	Blue polyethylene LDPE LF bags Brown OMP Kraft bag				
<i>Material</i>	Polyethylene LDPE LF bags - Plastic – LDPE OMP Kraft bag - Paper/board paper				
<i>Packaging dimension in mm (L*W*H)</i>	Polyethylene LDPE LF bags – 800 x 520 x 140 OMP Kraft bag – 800 x 520 x 140	Thickness	Polyethylene LDPE LF bags -12 micron OMP Kraft bag -3ply/ 70gsm		
<i>Weight of packaging</i>	Polyethylene LDPE LF bags – 0.14kg OMP Kraft bag -0.2kg				
<i>Content of plastic food contact material (%)</i>	Polyethylene LDPE LF bags – 100% OMP Kraft bag – 0%	Content of metal & rubber (%)	N/A		
<i>Recyclability</i>	100% Recycled				
<i>Lamination/Layers</i>	N/A	Coating	N/A		
<i>Sealing method</i>	Polyethylene LDPE LF bags – Heat sealing OMP Kraft bag – Thread sewn				
<i>Secondary packaging</i>	N/A				
<i>Print (Litho/Flexo)</i>	N/A				
<i>Colours</i>	N/A				
<i>Material</i>	N/A				
<i>Packaging dimension in mm (L*W*H)</i>	N/A	Thickness	N/A		
<i>Weight of packaging</i>	N/A				
<i>Content of plastic food contact material (%)</i>	N/A	Content of metal & rubber (%)	N/A		
<i>Recyclability</i>	N/A				
<i>Lamination/Layers</i>	N/A	Coating	N/A		
<i>Sealing method</i>	N/A				

Quality, Regulatory & Brand Integrity Compliance

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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 odor 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 Migration tests for packaging materials available.	N/A
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 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, perfluorooctane 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.

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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 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

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

NutsinBulk confirms that we do not conduct or commission animal testing of any products.

ENDANGERED SPECIES OF FAUNA AND FLORA

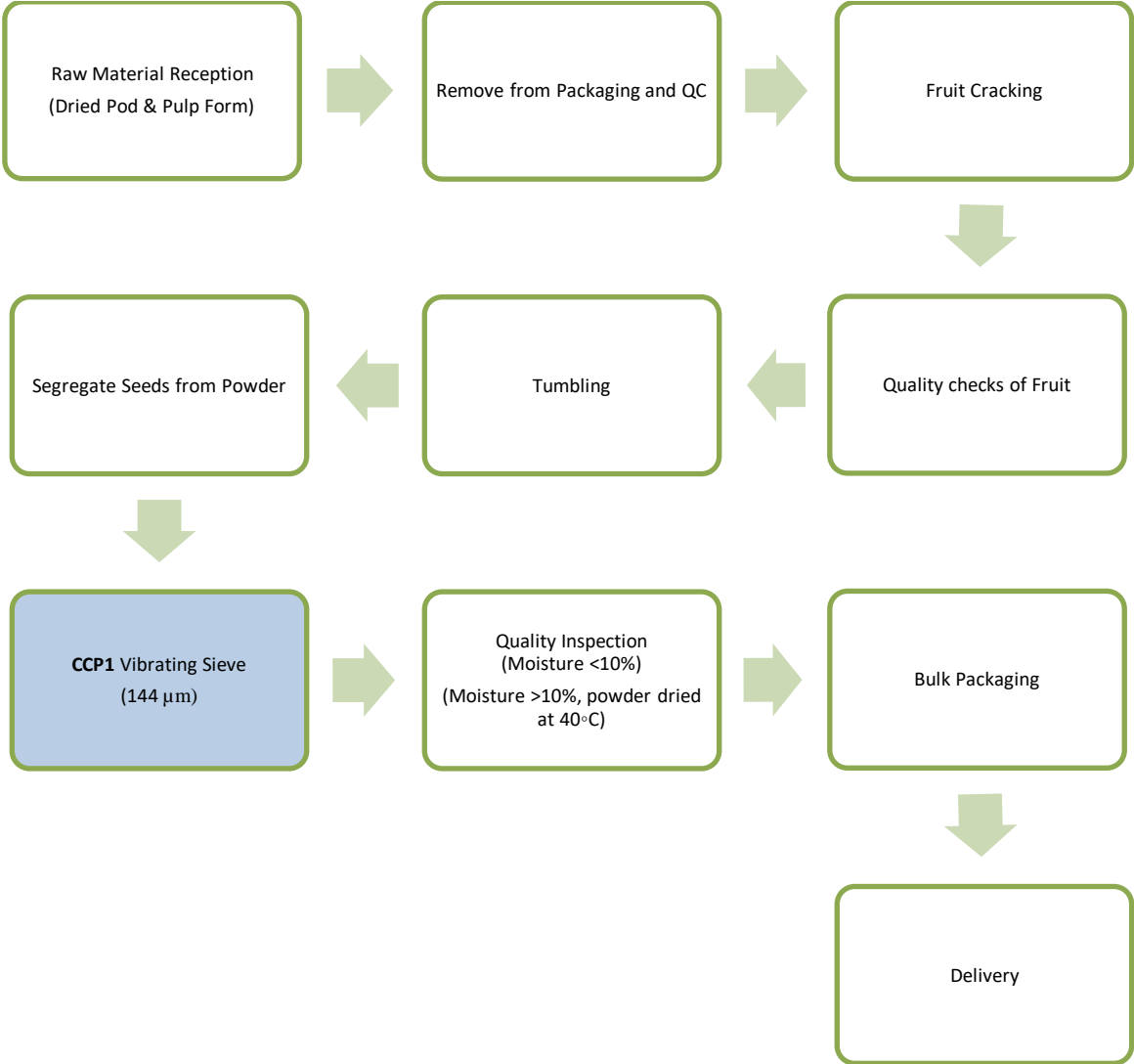
None of our products are listed as banned on the world Convention on International Trade of Endangered Species of Fauna and Flora (CITES).

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PROCESS FLOW



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MATERIAL SAFETY DATA SHEET

INGREDIENTS

100% Organic Baobab Powder (*Baobab pulp fruit*)

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	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

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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	25/09/2023	Review of claims	D.Krishnan	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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