

PRODUCT TECHNICAL DOSSIER

BIFIDOBACTERIUM BIFIDUM 300BN UNITS/G

Product Code:

P02083

Raw Material Full Name:

Probiotics Powder

This material is Food Grade:

Yes

Vegetarian/Vegan Suitable:

Suitable for Both

Limit/Range/Specification:

300 billion units/g

Means of Identification:

16s rRNA gene sequence

Solubility in Water:

Soluble

Solubility in Alcohol:

Soluble

Particle Size:

40 mesh

pH:

4.5

Loss on Drying:

Max 5%

Country of Origin:

China

Country of Origin of the Manufacture:

China



Base Source/Start Material:

Glucose, Trehalose, Custer sugar, Maltodextrin, Dipotassium phosphate, Sodium acetate anhydrous, Magnesium sulfate, Manganese Sulfate Monohydrate, Sodium hydroxide, Tween-80 (Additive E433)

Origin of Product – Synthetic, Plant, Mineral, Animal, Fish or Fermented:

Fermented

Compound Ingredients:

30% B.bifidum, 65% Maltodextrin from tapioca starch & 5% Trehalose

Shelf Life from Date of Manufacture:

Minimum 2 Years

Storage Conditions:

Store in a well closed container away from moisture and direct sunlight at 4°C or refrigerated at -18°C

Appearance:

Fine Powder

Colour:

White to off White

Flavour/Taste:

Characteristic

Odour:

Characteristic

Do any of the parameters change in different seasons?:

No

Microbiological Test

Total Viable Count:

300 Billion cfu/g

Non Lactic Acid Bacteria Count Max 1,000cfu/g

Yeast & Moulds:

Max 100cfu/g

E. coli:

<10cfu/g



Salmonella:

Absent/25g

S. aureus:

Absent/25g

Heavy Metals

Lead (Pb):

Max 3ppm

Cadmium (Cd):

Max 1ppm

Mercury (Hg):

Max 0.1ppm

Arsenic (As):

Max 1ppm

There are no nuts in this recipe; however, we cannot guarantee that the raw materials entering the site are nut free.

Please note that surveillance testing may mean that not all the parameters stated on this specification are tested for every batch.



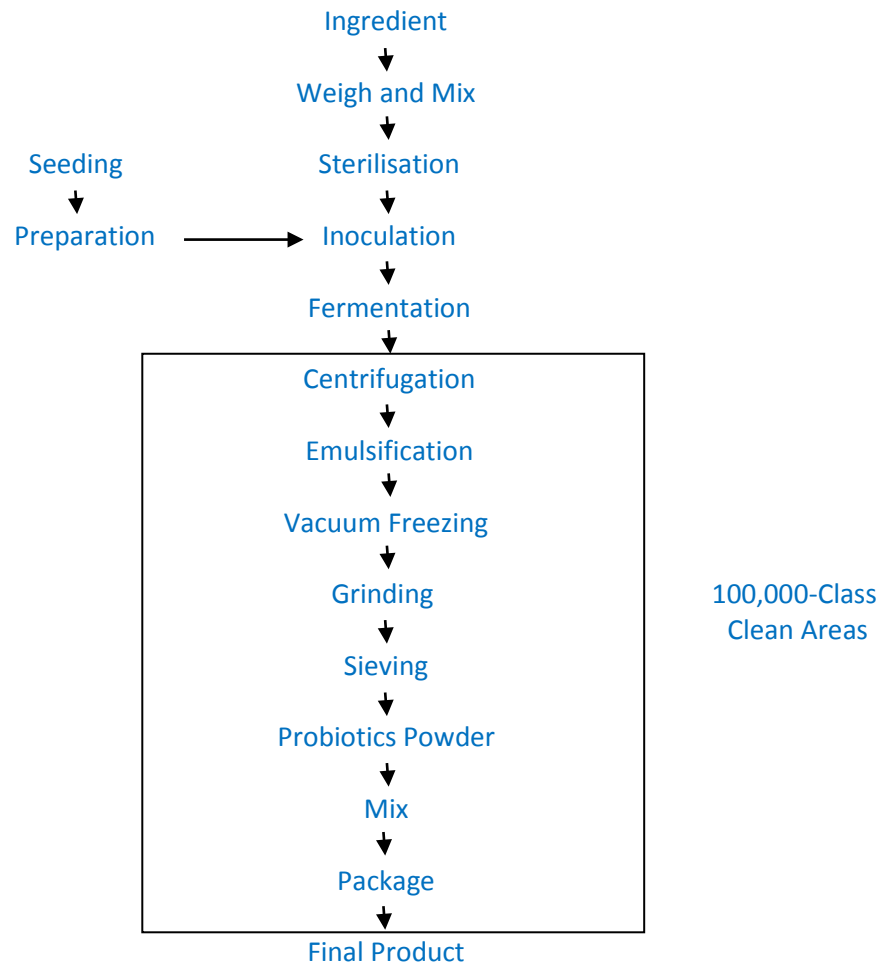
ALLERGENS	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	If YES, Please Comment
Peanuts and Peanut Derivatives (including possible cross contamination)	No	No	
Other Nut and Nut Derivatives <i>Almond (Amygdalus communis L.), Hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew (Anacardium occidentale), Pecan nut (Carya illinoensis (Wangenh.) K. Koch), Brazil nut (Bertholletia excelsa), Pistachio nut (Pistacia vera), Macadamia nut and Queensland nut (Macadamia ternifolia)</i>	No	No	
Sesame Seeds and Sesame Seed Derivatives	No	No	
Other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	No	No	
Milk and Milk Derivatives (including lactose)	No	No	
Egg and Egg Derivatives	No	No	
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)</i>	No	No	
Soya and Soya Derivatives	No	No	
Lupin and Lupin Derivatives	No	No	
Mustard and Mustard Derivatives	No	No	
Celery or Celery Derivatives (including Celeriac)	No	No	
Fish and Fish Derivatives	No	No	
Molluscs and their Derivatives	No	No	
Crustaceans and their Derivatives	No	No	
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	No	



ADDITIVES / CONTAMINANTS / DIETARY REQUIREMENTS	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	If YES, Please Comment
Additives	No	Yes	Additive used in production
Antioxidants	No	No	
Ethylene Oxide	No	No	
Gelatine	No	No	
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	No	
Maize / Corn and any Derivatives	No	No	
Legumes / Pulses	No	No	
Rice and Rice Derivatives	No	No	
Added Salt	No	No	
Added Sugar / artificial or natural sweeteners	Yes	Yes	5% Trehalose Sugar used during production
Aspartame	No	No	
BHA / BHT (E320 / E321)	No	No	
Caffeine	No	No	
Colours (Artificial / Nature Identical / Natural / Smoked)	No	No	
Dextrose	No	No	
Dioxins	No	No	
MSG (Added and Naturally Occurring E621) or Glutamates (E620 to E625)	No	No	
Nucleotides (E627, E630, E631, E635)	No	No	
Polyols (sugar alcohols)	No	No	
Benzoates (E210 / E219)	No	No	
Sorbic Acid (E200, E203)	No	No	
Any other Preservatives	No	No	
Ethanol	No	No	
Honey	No	No	
Lactose	No	No	
Yeast and Yeast Derivatives	No	No	
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	



PRODUCTION FLOW CHART



100,000-class areas, ambient temperature ≤25°C, relative air humidity ≤40%.



CONFIRMATION OF BSE/TSE STATUS

This is to certify that this product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE.

This is also to certify that, during the course of their manufacture, the above-mentioned product did not come into contact with any materials, which could be derived from TSE/BSE risk materials.

CONFIRMATION OF GM STATUS

This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under regulations 1829/2003/EC and 1830/2003/EC.

CONFIRMATION OF NON IRRADIATION STATUS

This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives 1999/3/EC.

CONFIRMATION OF NANDROLONE STATUS

This is to certify that this product, whole or in part, has not come into contact with Nandrolone or any of its precursors in any way.

CONFIRMATION OF IOC PRODUCT STATUS

This is to certify that this product, whole or in part, has not come into contact with any product/s, which is banned by the IOC (International Olympics Committee) and or WADA.

CONFIRMATION OF ANIMAL TESTING STATUS

This is to certify that all the products sold by Cambridge Commodities have not been tested on animals in any part of its manufacture in accordance with regulation 86/609/EEC.

CONFIRMATION OF PESTICIDES STATUS

This is to certify that the above-mentioned product complies with the regulation (EC) No.396/2005 of 23rd February 2005 and commission Regulation (EU) No. 559/2011 of 7th June 2011 amending annexes II and III of the above Regulation.

CONFIRMATION OF NANOPARTICLE STATUS

This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation 2011/696/EU, defines as follows: "'Nanomaterial' means a natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm".



MATERIAL SAFETY DATA SHEET

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product name: Bifidobacterium Bifidum 300bn units/g
Company: Cambridge Commodities Limited
Lancaster Way, Ely, Cambridgeshire, CB6 3NX
Tel: 01353 667258. Email: qa@c-c-l.com

Section 2 Hazards Identification

Risk Phrases: No data available
Safety Phrases: No data available

Section 3 Composition/Information on Ingredients

30% B.bifidum, 65% Maltodextrin from tapioca starch & 5% Trehalose.

Section 4 Emergency and First Aid Measures

Swallowed: No special measures required. However, rinse mouth with water.
Eye: Rinse opened eye for several minutes under running water.
Skin: No special measures required. However, remove contaminated clothing and rinse affected area with running water.
Inhaled: No special measures required. However, remove person to fresh air.
Treat symptomatically based on individual reactions of patient and judgement of doctor.

Section 5 Fire-fighting measures

Extinguishing Media: In case of fire, appropriate extinguishing media include carbon dioxide powder or water jet. Fight large fires with water jet or alcohol resistant foam. Protective Precautions & Fire fighters should wear a self-contained breathing apparatus and full Equipment for Fire Fighters protective clothing along with protective equipment.
Flammability Conditions: Product is non-flammable.

Section 6 Accidental Release Measures

Emergency Procedures Personnel involved in the clean-up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Ensure that walking surfaces are not slippery before walking on them. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local waste management authority. Use spark proof equipment.



Methods for Clean Up: Contain and sweep/shovel up spills with a dust binding material or use a industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for disposal.

Section 7 Handling and Storage

Precautions for Safe Handling: Ensure an eye bath and safety shower are available and ready for use. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
Conditions for Storage: Store in a cool, dry, well ventilated area. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect from physical damage. Store away from incompatible materials including oxidizing agents and sources of ignition.

Section 8 Exposure Controls/Personal Protection

Engineering Measures: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.
Respiratory Protection: Avoid inhalation. 3M Dust Respirator No. 8710 or 9900 is recommended, or a NIOSH/MSHA jointly approved dust respirator.
Hand/Body Protection: Avoid contact and prolonged or repeated exposure. Wear resistant gloves. Wash thoroughly after handling. Protective clothing recommended.
Eye Protection: Wear safety glasses in compliance with OSHA regulations.

Section 9 Physical and Chemical Properties

Physical state: Powder
Colour: White to off White
Odour: Characteristic

Section 10 Stability and Reactivity

Chemical Stability Stable under conditions mentioned in section 7.
Conditions to Avoid: Excessive heat, dusty conditions, static discharge, and high temperatures.
Incompatible Materials: Strong oxidizing agents and sources of ignition
Hazardous Reactions: No dangerous reactions known
Hazardous Decomposition Products: None known

Section 11 Toxicological Information

Toxicity Data No toxicological information available for this product

Section 12 Ecological Information

Eco-toxicity No Data Available
Environmental Fate (Exposure) Do not allow product to enter drains, waterways or sewers.

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success starts with the finest ingredients...

Section 13 Disposal Considerations

Waste from residues: Dispose of in accordance with all applicable local and national regulations. Contact a specialist disposal company or the local waste regulator for advice

Section 14 Transport Information

Transport classification: Not classified as dangerous for any mode of UK or International transport.

Section 15 Regulatory Information

European Regulation: This product is not classified according to the EU regulations.

Reviews, Standards and Regulations: Health & Safety at work act 1974. COSHH Regulations (1994). EH40 Occupational exposure limits.

US Federal Regulations: Not known.

Section 16 Other Information

This advice is given by Cambridge Commodities Ltd who accepts no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterised or unknown.

This Information provided in this document is subject to change and the batch specific Certificate of Analysis should always be referenced.



To be used as per local legislation.



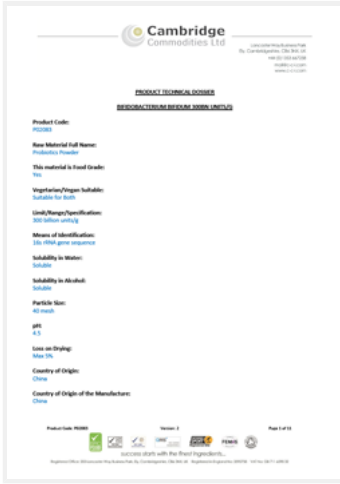
Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	<p>Added information regarding source and means of identification. Mentioned in tables that sugar and additives are used in production. Added heavy metal, solubility, particle size, pH specifications. Changed storage conditions from 'After receipt <18°C' to 'Store in a well closed container away from moisture and direct sunlight at 4°C or refrigerated at -18°C'.</p> <p>Changed shelf life from 3 years to minimum 2 years.</p> <p>Changed E. coli specification from 'Max 90MPN/100g' to '<10cfu/g'.</p> <p>Changed compound ingredients from 'none' to '30% B.bifidum, 65% Maltodextrin from tapioca starch & 5% Trehalose'.</p> <p>Changed appearance from 'powder' to 'fine powder'.</p>	Yes

Document Approval

Originator Job Title	QC Team Leader	Approver Job Title	Quality Specialist
 Ash Bean (Mar 3, 2017)		 Casey White (Mar 3, 2017)	











P02083-Bifidobacterium Bifidum 300bn units g-Technical Dossier

Adobe Sign Document History

03/03/2017

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