



Blueberry Extract Powder 10% Anthocyanosides

SPECIFICATION			
Product name: Blueberry Extract Powder			
Botanical Name	Vaccinium spp.	Part	fruit
Origin	China	Solvent Used	Ethanol & Water
Item	Standard	Analysis Method	
Appearance	Dark Purple red powder	Visual	
Odor & Taste	Characteristic	Organoleptic	
Typical Analysis			
Identification	Compliant with standard reference	HPLC/TLC	
Anthocyanins or Anthocyanosides	≥10% by	HPLC	
Particle Size	98% pass 80 mesh	Sieve analysis	
Ash	≤5.0%	Ph. Eur. 2.4.16	
Loss on drying	≤5.0%	Ph. Eur. 2.2.32	
Contaminants			
Benzo(a) pyrene	≤10µg/kg	(EU) 915/2023	
PAH4	≤50µg/kg	(EU) 915/2023	
Aflatoxin (Σ B1, B2, G1, G2)	< 4ppb	Ph. Eur. 2.8.18	
Aflatoxin B1	< 2ppb	Ph. Eur. 2.8.18	
Heavy metals			
Heavy metals	≤ 10ppm	ICP-MS	
Lead (Pb)	≤ 1.0ppm	ICP-MS	
Arsenic (As)	≤ 1.0ppm	ICP-MS	
Cadmium (Cd)	≤ 1.0ppm	ICP-MS	
Mercury (Hg)	≤ 0.1ppm	ICP-MS	
Microorganism			
Total Bacterial Count	<1000cfu/g	Ph. Eur. 2.6.12	
Total Molds Count	<100cfu/g	Ph. Eur. 2.6.12	
<i>Salmonella</i>	Negative	Ph. Eur. 2.6.13	
<i>E. coli</i>	Negative	Ph. Eur. 2.6.13	
Package	N.W. 25Kgs/fiber drum and two plastic bags inside.		
Shelf life	2 Year When Properly Stored		
Storage	Store in well-closed container at room temperature, protect from light, moisture and pest infestation.		

INGREDIENTS

An ingredient is defined in Directive 2000/13/EC on labelling: "ingredient means any substance including additives, used in the production or preparation of a foodstuff and still present in the finished product although possibly in a modified form" i.e all raw materials to produce the goods.

Please list all ingredients:

Ingredients/material composition	%	Country of origin
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Blueberry Extract Powder	100%	China

ORIGIN

Country of origin of the product::China					
Is a manufacturing process available		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO	
Source of the product:		<input type="checkbox"/> Animal		<input checked="" type="checkbox"/> Plant	
		<input type="checkbox"/> Mineral origin		<input type="checkbox"/> Synthetic	
If animal, please answer the following questions.					
is BSE/TSE free		<input type="checkbox"/> YES		<input type="checkbox"/> NO	
Is the manufacturer registered to the European Commission		<input type="checkbox"/> YES		<input type="checkbox"/> NO	
Is the health certificate available for a food use		<input type="checkbox"/> YES		<input type="checkbox"/> NO	
If plant, please answer the following questions.					
Botanical name		Vaccinium spp.		Geographical origin	
				China	
Part of the plant		Fruit			
Harvest method		Manual harvesting		Harvest period:	
				From Spring to Autumn	
Is the technical data sheet of the plant raw material available				<input checked="" type="checkbox"/> YES	
				<input type="checkbox"/> NO	
Are there any agents responsible for adverse effects				<input type="checkbox"/> YES	
				<input checked="" type="checkbox"/> NO	
If yes, please precise:					
Please precise the methods of eliminating risk constituents:					
Could you precise the treatments used on the plant harvesting?					
Irrigation	Fertilizers	Herbicides	Insecticides	Fungicides	Other
Yes	Yes	Controlled use	Controlled use	Controlled use	None

Could you precise the treatments /transformations after harvest?					
<input checked="" type="checkbox"/> Decontaminated plant(treatment used:			<input type="checkbox"/> Undecontaminated plant		
<input checked="" type="checkbox"/> Washing		<input checked="" type="checkbox"/> Drying		<input type="checkbox"/> Natural drying:	
				<input checked="" type="checkbox"/> Artificial drying	
Other:					
If mineral origin, please specify species					
If syneric, please specify species					

GENETICALLY MODIFIED ORGANISMS-GMO

According to EU regulations EC/1829/2003 & EC/1830/2003

According to the EU regulations concerning the traceability and labelling of Genetically Modified Organisms(GMO), and the traceability of food products produced from GMO, we confirm that the product:			
Contains ingredient(s) from Maize and/or Soya origin		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Contains no material which contains, consists of or is produced from authorized GMOs in proportion higher than 0,9%. This presence is adventitious or technically unavoidable		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
is GMO or contains or consists of GMOs		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO



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is produced from GMOs or contains ingredients produced from GMOs	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Contains ingredient(s)from other potential GMO-risk raw material(s)(rice,beet cotton ...)	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If Yes,please specify: o ingredient: o vegetable origin: o geographic origin:		
Contains no material which contains,consists of or is produced from evaluated GMOs in proportion higher than 0,5%.This presence is adventitious or technically unavoidable	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
For information about processing aids, is produced or contains ingredient(s)produced with GMOs or Genetically Modified Microorganisms processing aids (bacteria,yeast...or derived from GMOs or GMMs(including enzymes)	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If yes,please specify:		
We confirm that the ingredient supplied is compliant in all respects with the Regulations N°1829/2003/EC and N°1830/2003/EC where applicable	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

SUBSTANCES OR PRODUCTS CAUSING ALLERGIES OR INTOLERANCES

According to Regulation(EU)No.1169/2011 as regards of ingredients present in foodstuffs

Allergenic substances (Regulation EU 1169/2011 – Annex II)	Present in finished product	Present in the manufacturing site	Present on the same manufacturing line	Possible cross-contamination
Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains)	NO	NO	NO	NO
Crustaceans and products thereof	NO	NO	NO	NO
Eggs and products thereof	NO	NO	NO	NO
Fish and products thereof	NO	NO	NO	NO
Peanuts and products thereof	NO	NO	NO	NO
Soybeans and products thereof	NO	NO	NO	NO
Milk and products thereof (including lactose)	NO	NO	NO	NO
Nuts (almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nut, macadamia nut)	NO	NO	NO	NO
Celery and products thereof	NO	NO	NO	NO
Mustard and products thereof	NO	NO	NO	NO
Sesame seeds and products	NO	NO	NO	NO



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thereof				
Sulphur dioxide and sulphites (>10 mg/kg or 10 mg/L expressed as SO ₂)	NO	NO	NO	NO
Lupin and products thereof	NO	NO	NO	NO
Molluscs and products thereof	NO	NO	NO	NO

NON IRRADIATION

According to UE Directive No.1999/2/CE

Has this raw material or one of its ingredients been irradiated or ionised	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
We confirm above non-irradiation statement is available	<input checked="" type="checkbox"/> YES	

NANOMATERIAL

According to Regulation(EU)No 1169/2011

Does this raw material contain or can be considered asengineered nanomaterial	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Does this raw material have been made with nanotechnology?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Does the product contain nanotechnology as defined by the French decree no.2012-232?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

RESIDUAL SOLVENTS

According to UE Directive 2009/32 modified by (UE)2010/59 and CPMP/ICH/283/95Q3C

Does the raw material contain any residual solvent	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If yes,please give: percentage and name of each solvent used: level of residual solvents:		
Is the product in compliance with the UE Directive 2009/32	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Is the product in compliance with the ICH guidelines	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

FOOD CERTIFICATE

Manufacturer's quality certificates:				
ISO 9001 <input type="checkbox"/>	HACCP <input type="checkbox"/>	ISO 14001 <input type="checkbox"/>	ISO 22000 <input type="checkbox"/>	<input checked="" type="checkbox"/> OTHER
Is the raw material Food Grade?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Can the product be used in baby food(Directive 2006/141/CE)?			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Does the product comply with the UE Regulation No231/2012 about additives?			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Is the product complying with a Pharmacopeia monography?			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Is the product complying with the UE Regulation No.1334/2008 about flavourings?			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Was the product used in the European food industry before May 1997?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If no,could you provide an authorisation (according to Regulation 258/97/EC)?			<input type="checkbox"/> YES	<input type="checkbox"/> NO
Are stability studies available?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO



CONTAMINANTS

Is the product conforming to UE regulations No 2023/915 setting maximum levels for certain contaminants in foodstuffs, as amended?		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Contaminants	Tested?	Result	
Pesticides (multi-residue)?	Can be provide as need	Complies with EU 396/2005	
Dioxins and dioxin like PCBs?	NO	Not routinely tested	
Heavy metals	Can be provide as need	Complies (≤ 10 ppm)	
PAHs(PAH4)	Can be provide as need	Complies with EU 915/2023	
Benzo[a]pyrens?	Can be provide as need	Complies with EU 915/2023	
Mycotoxins (Aflatoxins, OTA)	Can be provide as need	Complies with EU 915/2023	
3-MCPD	NO	Not applicable	
Doping like substances? http://list.wada-ama.org/	NO	Not applicable	

FOREIGN BODIES

Which material do you use in order to fight against the foreign bodies			
	Presence?	Test frequency	Where is it located on the process line?
Magnet	YES	Continuous	Raw material intake / processing line
Metal detector	YES	Each batch	Before packaging
Sieve	YES	Continuous	During processing
Filter	YES	Continuous	Extraction / filtration stage
X-ray detection	NO	N/A	N/A
Other(please specify)			

TRACEABILITY

Batch size	1MT
Batch definition	A batch is defined as a homogeneous production lot produced under the same conditions
Signification of the batch number by an example	
Marking method (labelling...)	

PACKAGING

Is the packaging material approved as food grade according to regulations 1935/2004,10/2011 and 1282/2011?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Do you guarantee the packaging traceability according to regulation 1935/2004(art 17)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Can you guarantee that the product and its packaging supplied t(do not contain Phtalates?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Can you guarantee that the product and its packaging supplied to do not contain ITX? (A packaging contaminant:Isopropylthioxanthone(ITX)found in dairy products)	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Can you guarantee that the product and its packaging supplied tos do not contain BisphenolA(BPA)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Do you add desiccant bags during packaging process? If so,where do you mention it:.....	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO



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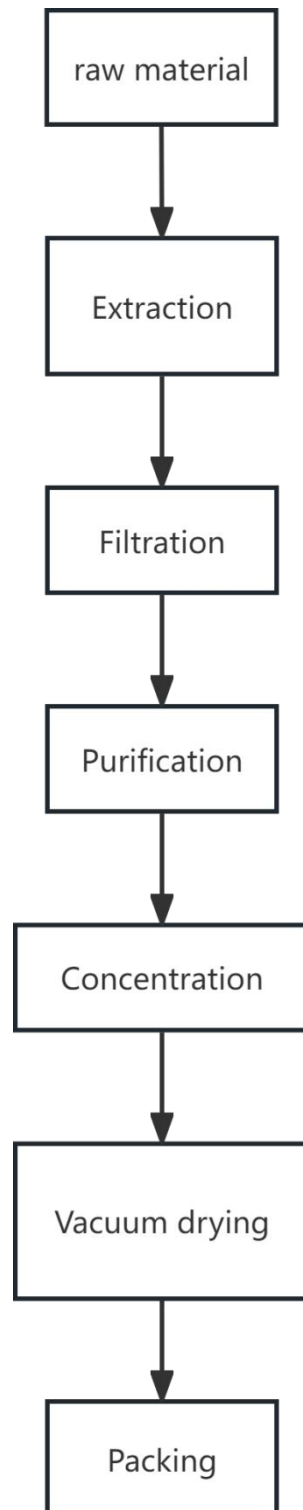
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Can you provide migration test in order to guarantee packaging safety?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
WASTE DISPOSAL	
What is your waste disposal method?By professional waste handling facility Please indicate waste code(according to OJ 2006/1013 on July 12th,2006):	



Flow Chart



MATERIAL SAFETY DATA SHEET Of Blueberry Extract Powder

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY	
Product Name : Blueberry Extract Powder	
2. INFORMATION ON SUBSTANCE	
PRINCIPAL HAZARDOUS COMPONENT (S)	Non
Ingredients	Contains such active constituents as anthocyanins, anthocyanidins and other naturally occurring organic substances present in the plant
APPEARANCE	Red to purple red powder
Odour & Taste	Charecteristic
Particle size	100% pass 80 mesh
Heavy Metals	≤10ppm
Arsenic (As)	≤1ppm
Loss on drying(5h at 105°C)	≤5.0%
Ash (3h at 600°C)	≤5.0%
3. HAZARDS INFORMATION ON SUBSTANCE	
HEALTH HAZARDS	No data available yet
FIRE AND EXPLOSION HAZARDS	Not combustible, flammable or explosive. Emits toxic fumes under fire conditions.
ENVIRONMENTAL HAZARDS	No environmental hazards as far as to our knowledge.
4. FIRST-AID MEASURES	
INHALATION	Remove to well-ventilated area. Seek medical attention.
SKIN CONTACT	Washed by soap water or clear water if it comes into contact with skin.
EYE CONTACT	Washed by clear water if contacting with eyes. Sent to hospital if having excessive intake by mistake.
INGESTION	Not likely to be hazardous if ingested, Wash out mouth with water if conscious. Seek medical attention.
.PROTECT MEASURES	Wearing protective clothes and safety gloves when operating.
5. FIRE-FIGHTING MEASURES	
EXTINGUISHER MEDIA	Water Spray, Carbon Dioxide, Dry Chemical Powder, sand, foam or other appropriate form.
SPECIAL FIRE FIGHTING PROCEDURES	Wear self-containing breathing apparatus against toxic fumes and protective clothing.
6. SPECIAL PROTECTION INFORMATION	
Ventilation requirements	Use only in systems processed and procedures in which effective ventilation has been provided.
Respiratory	Appropriate eyes protection, such as NIOSH/MSHA approved masks, should be worn to prevent inhalation.
Eyes	Appropriate respiratory protection, such as chemical-type goggles, should be worn to prevent eye contact.
Gloves	Wear appropriate gloves to avoid contact with skin.
Special clothing and equipment	Wear adequate clothing to avoid contact with skin.
7. ACCIDENTAL RELEASE MEASURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED	Maintain good housekeeping practices to minimize accumulation of settled dust. Sweep up the spilled material and dispose of in accordance with the :waste disposal method: given below.
CLEANING METHODS	Wash premises, equipment and working surfaces with water.



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WASTE DISPOSALS METHODS	No special method is suggested, it is the user's responsibility to comply with all local, state and federal laws, rules, regulations and standards.	
8. HANDLING & STORAGE		
HANDLING&STORAGE	Keep far away from kindled material, excessive heat source and direct light. Keep the container airtight. Should be separately stored form oxidant and edible chemical compound.	
VENTILATION	Local exhaust may be needed.	
9. STABILITY & REACTIVITY		
STABILITY & REACTIVITY	The compound is stable at room temperature in closed containers.	
CONDITIONS TO AVOID	Incompatible materials, light, dust generation, moisture, excess heat, strong oxidants.	
MATERIALS TO AVOID	Oxidizing agents	
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide.	
10. TOXICOLOGICAL INFORMATION	Data not yet available	
11. ECOLOGICAL INFORMATION	Data not yet available	
12. TRANSPORT INFORMATION		
UN	UN No.	Not classified as dangerous goods
ADR		Not restricted
DGR		Not restricted
IMDG		Not restricted
13.	OTHER INFORMATION	
	Blueberry has been proved no offensive smell, no infective danger or any other danger when transported.	
14. Remark:	The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the product in terms of their safety requirements. The data does not signify and warranty with regards to the product's properties.	