Address: Chengnan Road, Huaxi Subdistrict, Changxing County, Huzhou City, Zhejiang Province, 313100, China

Technical Data Sheet

Technical Data Sheet			
Product name	Biomax™ Coenzyme Q10 20% CWS	Trade Brand	Smartherb
AC Code	SH26091501b	CAS number	303-98-0
Molecular formula	$C_{59}H_{90}O_4$	Molecular weight	863.34
Item	**Standard**		**Method of analysis**
Appearance	Yellow powder, no foreign objects visible, no foreign matter and no odor		Visual
Particle size	100% pass through sieve 40 mesh 90% pass through sieve 80 mesh		USP <786>; Ph. Eur. 2.9.12
Assay	≥20.0%		HPLC
Loss on drying	≤ 5.0%		USP <731>; Ph. Eur. 2.2.32
Heavy metals			
Total Heavy Metals(as Pb)	≤ 10.0 ppm		USP <231>; Ph. Eur. 2.4.8
Lead (Pb)	≤ 2.0 ppm		USP <251>; Ph. Eur. 2.4.10
Cadmium (Cd)	≤ 1.0 ppm		USP <233>
Mercury (Hg)	≤ 0.1 ppm		USP <233>
Arsenic (As)	≤ 2.0 ppm		USP <211>; Ph. Eur. 2.4.2
Microorganism			
Total Bacterial Count	≤ 1000 cfu/g		USP <2021>; Ph.Eur.2.6.13
Total Yeast and Mold Count	≤ 100 cfu/g		USP <2021>; Ph.Eur.2.6.13
Enterobacterial	≤10cfu/g		USP<2021> ; Ph.Eur.2.6.13
Salmonella（10g）	Negative/25 g		USP <2022>; Ph.Eur.2.6.13
E. Coli（1g）	Negative/10 g		USP <2022>; Ph.Eur.2.6.13
Staphylococcus aureus（1g）	Negative/10 g		USP <2022>; Ph.Eur.2.6.13
Package	25 kg/carton		
Shelf life	24 months from date of production; use as soon as possible once opened		
Storage	Store in a sealed, dark and dry place; recommended storage temperature below 25°C		

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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 sill 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
Coenzyme Q10	22-24	China
Arabic gum	20-50	China
Vegetable oil	1-10	China
Maltodextrin	20-50	China
Vitamin E	0.5-3	China
Vitamin C	1-3	China
Silicon dioxide	0.1-1	China

ORIGIN

Country of origin of the product: China			
Is a manufacturing process available	☑YES	☐NO	
Source of the product:	☐Animal ☐Plant ☐Mineral origin ☐Synthetic ☑Biotechnological processing		
please answer the following questions			
Ingredient Name: Coenzyme Q10 10% Powder			
Starting material	Rhodobacter sphaeroides	Origin	China

GENETICALLY MODIFIED ORGANISMS-GMO

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

According to the EUregulations 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	☐YES	☑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	☑YES	☐NO
is GMO or contains or consists of GMOs	☐YES	☑NO
is produced from GMOs or contains ingredients produced from GMOs	☐YES	☑NO
Contains ingredient(s)from other potential GMO-risk raw material(s)(rice,beet cotton ...)	☐YES	☑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	☑YES	☐NO
For information about processing aids, is produced or contains ingredient(s)produced	☐YES	☑NO

with GMOs or Genetically Modified Microorganisms processing aids (bacteria,yeast...or derived from GMOs or GMMs(including enzymes)		
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	☑YES	☐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 shellfish-derived products (including gelatine)	NO	NO	NO	NO
Peanuts and products thereof	NO	NO	NO	NO
Soybeans and products thereof (including lecithin)	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,Macadamia Nut (including oil),Pine nuts (including oil))	NO	NO	NO	NO
Celery and products thereof	NO	NO	NO	NO
Mustard and products thereof	NO	NO	NO	NO
Sesame seeds and products thereof	NO	NO	NO	NO
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	☐YES	☑NO
We confirm above non-irradiation statement is available	☑YES	☐NO

NANOMATERIAL

According to Regulation(EU)No 1169/2011

Does this raw material contain or can be considered asengineered nanomaterial	☐YES	☑NO
Does this raw material have been made with nanotechnology?	☐YES	☑NO
Does the product contain nanotechnology as defined by the French decree no.2012-232?	☐YES	☑NO

WADA Anti-Doping Statement

Current WADA Prohibited List

Does the product contain any prohibited substances (hormones, anabolic agents, stimulants) listed on WADA Prohibited List?	☐YES	☑NO
Is there any risk of cross-contamination with WADA banned substances during production?	☐YES	☑NO

RESIDUAL SOLVENTS

According to UE Directive 2009/32，as amended, and CPMP/ICH/283/95Q3C

Does the raw material contain any residual solvent	☑YES	☐NO
If yes, please give: percentage and name of each solvent used: Ethanol level of residual solvents: < 0.5%		
Is the product in compliance with the UE Directive 2009/32	☑YES	☐NO
Is the product in compliance with the ICH guidelines	☑YES	☐NO

FOOD CERTIFICATE

Manufacturer's quality certificates:

☐ ISO 9001	☐ HACCP	☐ ISO 14001	☐ ISO 22000	☑ OTHER

Is the raw material Food Grade?	☑YES	☐NO
Can the product be used in baby food(Regulation 2016/127/CE)?	☐YES	☑NO
Does the product comply with the UE Regulation No231/2012 about additives?	☑YES	☐NO
Is the product complying with a Pharmacopeia monography?	☑YES	☐NO
Is the product complying with the UE Regulation No.1334/2008 about flavourings?	☐YES	☑NO
Was the product used in the European food industry before May 1997?	☑YES	☐NO
If no,could you provide an authorisation (according to Regulation 2015/2283/EC)?	☐YES	☐NO
Are stability studies available?	☑YES	☐NO

CONTAMINANTS

Is the product conforming to UE regulations No 2023/915 setting maximum levels for certain contaminants in foodstuffs,as amended?	☑YES	☐NO

Contaminants	Tested?	Result
Pesticides (multi-residue)?	Yes	Complies with EC 396/2005

Dioxins and dioxin like PCBs?	NO	Complies with EU 915/2023
Heavy metals	Yes	Complies (Heavy metals as Pb ≤ 10.0 ppm)
PAHs(PAH4)	Yes	PAH4 ≤ 10.0 ppb; complies with EU 915/2023
Benzo[a]pyrens?	Yes	Benzo(a)pyrene ≤ 1.0 ppb; complies with EU 915/2023
Mycotoxins (Aflatoxins, OTA)	Yes	Aflatoxin B1 ≤ 5.0 ppb; total aflatoxins ≤ 10.0 ppb; OTA ≤ 5.0 ppb
3-MCPD	NO	Not applicable
Doping like substances? http://list.wada-ama.org/	NO	Not applicable

NUTRITIONAL VALUES

Nutritional Composition	☒ Per 100g ☐ Per serving
Energy(kJ/kcal)	2112 kJ
Total Fat(g)	24.6 g
Total Carbohydrate(g)	69.8 g
Fibre(g)	0
Protein(g)	0.89 g
Salt(g)	0
Vitamins:	0
Minerals:	Sodium: 152
Remarks: Nutrition Data are obtained by 3rd party lab; tested on a yearly basis	

Safety Data Sheet (SDS)

Section 1 Identification of Substance			
Product Name	Coenzyme Q10 Powder	CAS No.	303-98-0
Molecular Formula	$C_{59}H_{90}O_4$	Molecular Weight	863.34 g/mol
Supplier / trade brand	Smartherb Inc	Address	NO.76-3 Chengnan Road, Huaxi Subdistrict, Changxing County, Huzhou City, Zhejiang Province, 313100, China

Section 2 Hazards Identification
2.1 Emergency overview: Risk of explosion if heated under confinement.
2.2 HMIS rating: Health 0; Flammability 0; Reactivity 1. NFPA rating: Health 0; Flammability 0; Reactivity 1.
2.3 Dust potential: This material, like most materials in powder form, is capable of creating a dust explosion.

Section 3 Composition, Information on Ingredients
Coenzyme Q10 CAS 303-98-0

Section 4 First Aid Measures
4.1 Oral exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.
4.2 Inhalation exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. Dermal exposure: immediately wash skin with soap and copious amounts of water.
4.3 Eye contact: Flush with copious amounts of water for at least 10 minutes, separating eyelids to assure adequate flushing. Call a physician.

Section 5 Fire-Fighting Measures
5.1 Extinguishing media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.
5.2 Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
5.3 Specific hazards: Emits toxic fumes under fire conditions.

Section 6 Accidental Release Measures
6.1 Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
6.2 Sweep up, place in a bag and hold for waste disposal.
6.3 Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and Storage
7.1 Handling: Avoid inhalation and contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Open carefully.
7.2 Storage: Keep dry and tightly closed and protected from direct sunlight and moisture. Store below 25°C.
7.3 Special requirements: Once opened, run out as soon as possible. Air and light sensitive.

Section 8 Exposure Controls/Personal Protection
8.1 Engineering controls: Safety shower and eye bath. Mechanical exhaust required.
8.2 Personal protective equipment: Respiratory - dust mask; Hand - protective gloves; Eye - chemical safety goggles.
8.3 General hygiene measures: Wash thoroughly after handling.

Section 9 Physical and Chemical Properties
9.1 Appearance and odor: Yellow powder, no foreign objects visible, no foreign matter and no odor.
9.2 Loss on drying: ≤5.0%. Particle size: 100% pass through 40 mesh; 90% pass through 80 mesh.
9.3 Solubility: May be dispersed in cool water forming an emulsion.

Section 10 Stability and Reactivity
10.1 Chemical stability: Stable under normal temperatures and pressures.
10.2 Conditions to avoid: Incompatible materials, light, dust generation, exposure to air, acids, excess heat and strong oxidants. Incompatibilities: air, oxidizing agents and acids.
10.3 Hazardous decomposition products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide. Hazardous polymerization has not been reported.

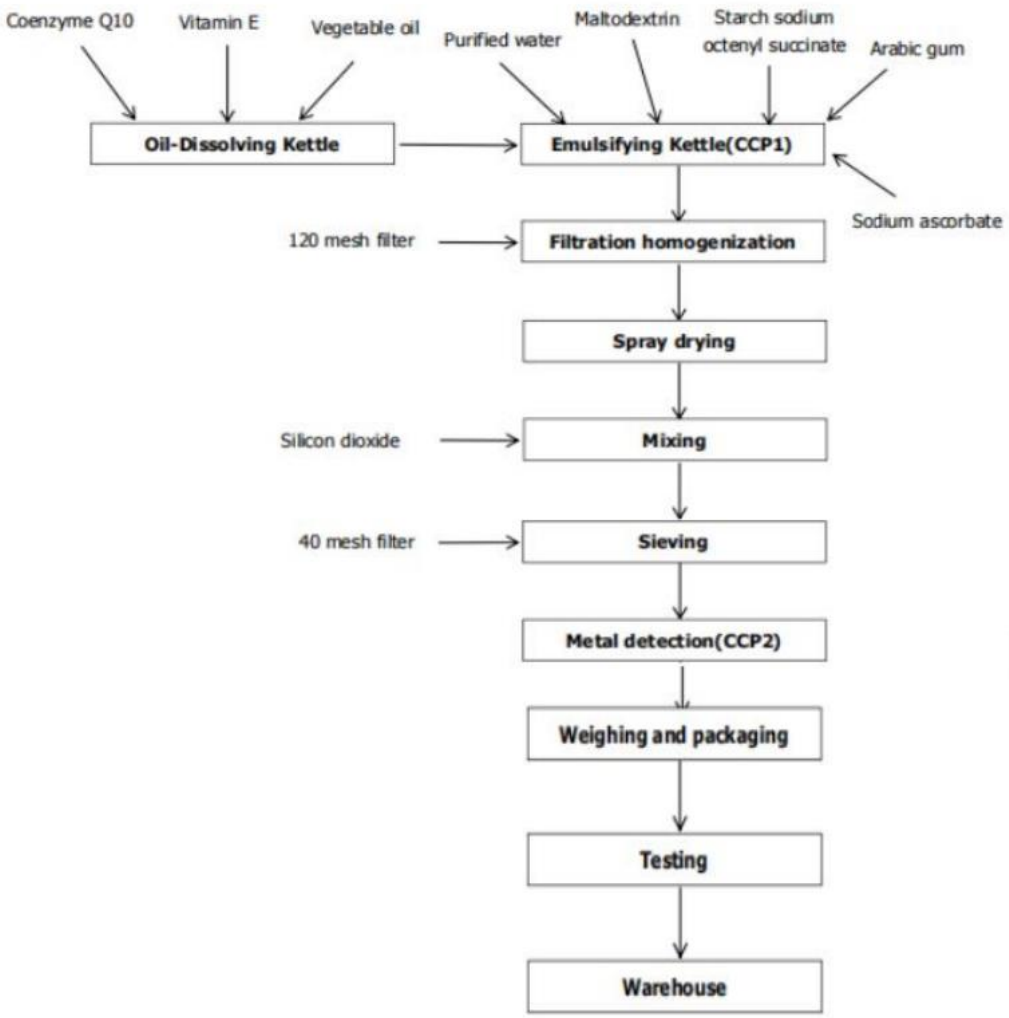
Section 11 Toxicological Information
11.1 Epidemiology: No information found. Teratogenicity: No information found.
11.2 Reproductive effects: No information found. Neurotoxicity: No information found.
11.3 Mutagenicity: No information found.

Section 12 Ecological Information
12.1 No data available yet.
12.2 No data available yet.
12.3 No data available yet.

Section 13 Disposal Considerations
13.1 Dispose of contents and container in accordance with Directive 2008/98/EC and applicable national and local regulations.
13.2 Waste classification and assignment of the appropriate waste code in accordance with Commission Decision 2000/532/EC are the responsibility of the waste holder and depend on the specific use and any contamination of the product.
13.3 Do not discharge into drains or the environment.

Section 14 Transport Information
14.1 No data available yet.
14.2 No data available yet.
14.3 No data available yet.

Section 15 Regulatory Information
15.1 This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available.
15.3 Chemical Safety Assessment: For this product a chemical safety assessment was not carried out.

Section 16 Other Information
16.1 This safety data sheet should be used in conjunction with technical sheets and does not replace them. The information is based on knowledge of the product at the time of publication and is given in good faith.
16.2 Users are responsible for knowing and applying all regulations governing their activity and for taking all precautions required in handling the product.
16.3 The information is not exhaustive and does not exonerate users from ensuring that other legal obligations relating to use and storage do not exist.

Flow Chart