

Product Technical Data Sheet

Product name: Coenzyme Q10 40% Powder	AC code: AC05082c
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1. Technical Data Sheet		
Product Name	Coenzyme Q10 40% Powder	
Molecular formula	C59H90O4	
Molecular weight	863.34/mol	
CAS number	303-98-0	
Item	Standard	Analysis Method
Typical Analysis		
Appearance	Yellow powder, no foreign objects visible, no foreign matter and no odor	
Identification	The retention time of the principal peak conforms to which in the reference solution	
Net Quantity	Should meet the requirements	
Particle Size	100% pass through sieve 40 mesh	USP<786> Ph.Eur.2.9. 12
	90% pass through sieve 80 mesh	
Coenzyme Q ₁₀ Assay	≥40.0%	HPLC
Loss on Drying	≤5.0%	USP<731> Ph.Eur.2.2.32
Heavy metals		
Heavy Metals (as Pb)	≤10.0ppm	USP<231> Ph.Eur.2.4.8
Lead (Pb)	≤2.0ppm	USP<251> Ph.Eur.2.4.10
Arsenic (As)	≤2.0ppm	USP<211> Ph.Eur.2.4.2
Cadmium (Cd)	≤1.0ppm	USP<233>
Mercury (Hg)	≤0.1ppm	USP<233>
Microorganism		
Total aerobic microbial count	≤1000 cfu/g	USP<2021>
Total moulds and yeasts count	≤100 cfu/g	USP<2021>
Enterobacterial	≤10cfu/g	USP<2021> Ph.Eur.2.6.13
E.Coli	Negative/10g	USP<2022>
Salmonella	Negative/25g	USP<2022>
Staphylococcus Aureus	Negative/10g	USP<2022>
Storage & Shelf Life		
Package	25kg/carton	
Shelf life	The shelf life for the product is 24 months from date of production. Use it as soon as possible once it is opened.	
Storage	Store in a sealed, dark, and dry place (recommended storage temperature below 25°C).	

2.Origin & Ingredient

Country of origin of the product: China

Origin statement: available ☒

This product is a pure material ☐		This product is a compound material ☒	
Animal origin	☐ bovine	Specific Source: /	
	☐ porcine	Specific Source: /	
	☐ avian	Specific Source: /	
	☐ Others:	Specific Source: /	
Synthetic	☐	Starting material:	origin: China
Biotechnological processing	☐ Catalysis By Enzymes	Name Of Enzyme: / Sources Of Enzymes: /	
	☒ Fermentation	Source: Rhodobacter sphaeroides	
Botanical Origin	Botanical Name:	/	
	Part:	/	
	Wild Or Cultivated:	/	
	Country Of Origin:	/	
	Solvent Used:	/	

3.Nutrition Data

Nutritional Composition	☒ Per 100g ☐ Per Serving
☒ Energy(Kj) ☐ Energy(Kcal)	2572 kJ
Protein(G)	0.79
Fat(G)	47.2
Carbohydrates(G)	47.8
sodium	148
Remarks: Nutrition Data Are Obtained By 3 rd Party Lab; Tested On A Yearly Basis	

4. GMO declaration

	Conforms	Not Conforms
The product does not contain or consist of GMO	☒	☐
The product is not produced from GMO or not contain ingredients produced from GMO (irrespective of whether there is NDA or protein of GM origin in the final production)	☒	☐
This product is not produced by means of GM microorganism including precursor substances, e.g. with GMOs or Genetically Modified microorganisms processing aids(bacteria, yeast,..)	☒	☐
This product is not produced with the help of enzymes, which were obtained from GMOs	☒	☐
Does the product contain any ingredients from animal?	☒	☐
If yes, are genetically modified crops contained in the feed for the animal?	☒	☐
We confirm that this product complies with regulations EC/1829/2003 and EC1830/2003 and keep NON-GMO statement available	☒	

5.Allergen declaration

We have carefully reviewed this product according to EU Regulation 1169/2011 and modifications and confirm the following:

	Direct incorporation as a base raw material or in a derivative form (don't forget the carriers, the additives and the processing aids)		CROSS CONTAMINATION					
			Presence on the production line		Presence on the production workshop		Presence on the production factory	
	Yes (precise nature)	No	Yes (precise the nature)	No	Yes (precise the nature)	No	Yes (precise the nature)	No
Cereals containing gluten(1) and products thereof		N		N		N		N
Crustaceans and products thereof		N		N		N		N
Eggs and products thereof		N		N		N		N
Fish and products thereof (2)		N		N		N		N
Peanuts and products thereof		N		N		N		N
Soybeans and products thereof (3)		N		N		N		N
Milk and products thereof (including lactose)(4)		N		N		N		N
Nuts (5) or products thereof		N		N		N		N
Celery and products thereof		N		N		N		N
Mustard and products thereof		N		N		N		N
Sesame seeds and product thereof		N		N		N		N
Sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10 mg/l expressed as SO ₂		N		N		N		N
Lupines and products thereof		N		N		N		N
Mollusc and product thereof		N		N		N		N

- (1) Cereals which contain gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) except: wheat-based glucose syrups including dextrose, wheat-based maltodextrins, glucose syrups based on barley, cereals used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;
- (2) Except: fish gelatine used as carrier for vitamin or carotenoid preparations, fish gelatine or Isinglass used as fining agent in beer and wine;
- (3) Except fully refined soybean oil and fat, natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, natural D-alpha tocopherol succinate from soybean sources; vegetable oils derived phytosterols and phytosterol esters from soybean sources; plant stanol ester produced from vegetable oil sterols from soybean sources;
- (4) Except when used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages, lactitol;
- (5) almond (*Amygdalus communis* L.) hazelnuts (*Corylus avellana*), walnut (*Juglans regia*), cashew (*Anacardium occidentale*), pecan nuts (*Carya illinoensis*), brazil nut (*Bertholletia excelsa*), pistachio nut (*Pistacia vera*), macadamia nut and queensland nut (*Macadamia terniflora*) and products thereof, except nuts used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;

6.NON IRRADIATION

(According to EU directive 1999/2/EC & 1999/3/EC)

This product has not been treated with ionising radiation	☒ Conforms	☐ Not Conforms
None of the raw materials we used for this product have been treated with ionising radiation.	☒ Conforms	☐ Not Conforms
We confirm above Non-Irradiation statement is available	☒	

7.NANOMATERIAL		
(according to EU Regulation (EU) No. 1169/2011)		
This product does not contain any nanomaterials as defined in EU food legislation	☒ Conforms	☐ Not Conforms
This product has not been made with nanotechnology	☒ Conforms	☒ Not Conforms
We confirm above Non-Nanomaterial statement is available	☒	

8. Residual solvents	
(according to UE Directive 2009/32 modified by(UE)2010/59; EP5.4;USP476;ICH Q3C(R7))	
For this product following solvents are used during production process: Solvent A: Ethanol Max residual level: Ethanol < 0.5%	☒ solvent used ☐ solvent not used
We confirm solvent residual of this product complies with:	☒ EP5.4 ☒ USP <476> ☒ ICH Q3C(R7) ☒ Directive 2010/59/EU ☐ NA
We confirm Solvent residual statement is available	☒

9.Pesticide residual	
(according to EC 396/2005; EP07; USP <561>)	
This product is of vegetable origin	☒ Conforms ☐ Not Conforms
We confirm pesticide residual of this product complies with:	☒ EC 396/2005 ☒ EP 07/2008 ☒ USP<561> ☐ N/A
Pesticide residual statement available	☒

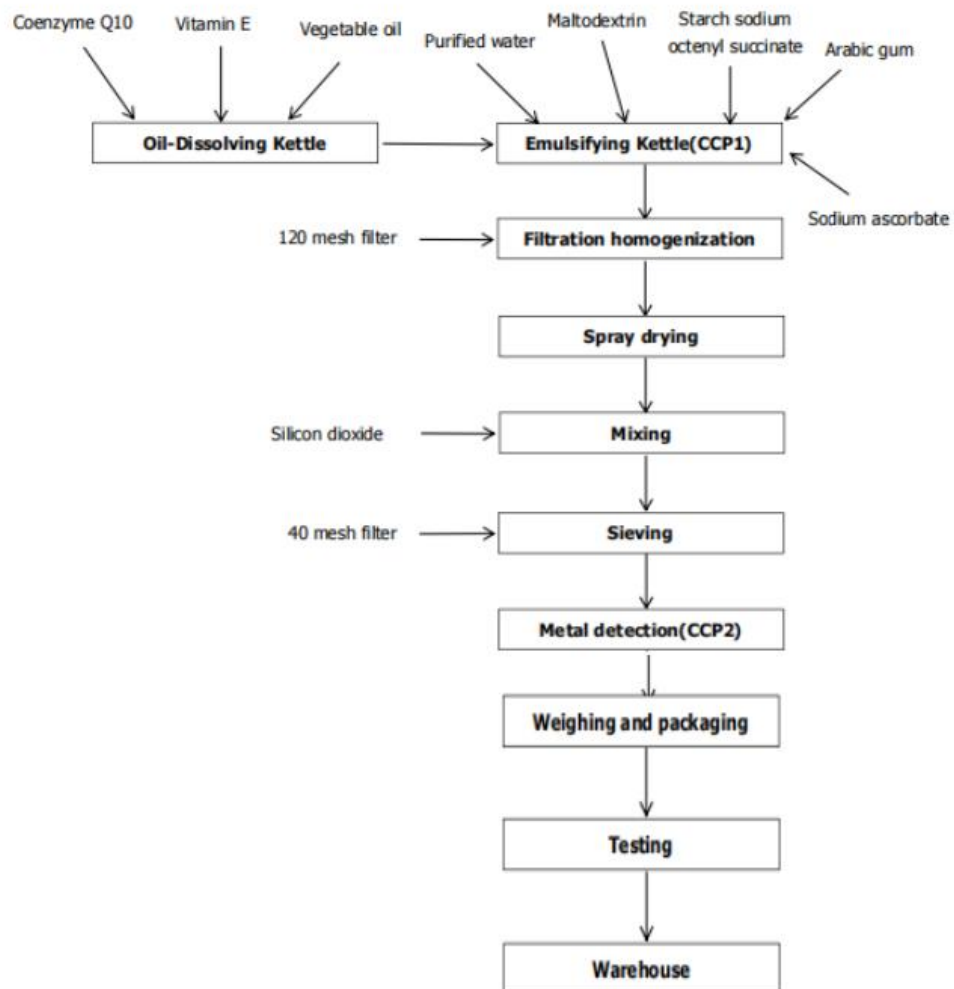
10.BSE/TSE information	
(according to EU legislation 999/2001; EP general chapter 5.2.8)	
Cattle, sheep, goats and animals that are naturally susceptible to infect with transmissible spongiform encephalopathy agents or susceptible to infection through the oral route other than humans and non-human primates are defined as “ESE-relevant animal species Pigs ad birds are not naturally susceptible to infection via the oral route; therefore, they are not TSE-relevant animal species. Dogs, rabbits and fish are not TES-relevant animal species.”	
the product contains no ingredients of ruminant origin and no materials derived from, or exposed to ruminants affected by or under quarantine for Transmitting Transmissible Spongiform Encephalopathy (TSE) / Bovine Spongiform Encephalopathy (BSE)	☒ Conforms ☐ Not Conforms ☐ NA
In the manufacturing of this product, there is no any raw or source material and /or reagent used that is of animal origin i.e. bovine, serum-albumin, enzymes, culture broths including those used to prepare working or master cell tanks	☒ Conforms ☐ Not Conforms

Equipment/systems/tools use for processing or storage of the material do not come into contact at any time with materials of animal origin (e.g., components of media filler used to check such system)	☒ Conforms ☐ Not Conforms
The material is not purified by using solvents, chromatographic media or buffers that contain components of animal origin	☒ Conforms ☐ Not Conforms
We confirm this product complies with:	☒ EU legislation 999/2001 & ☒ EP general chapter 5.2.8
We confirm BSE/TSE statement is available	☒ Conforms

11. Contaminants information (according to EU Regulation No 915/2023 and NO.629/2008 as regards maximum levels for certain contaminants in foodstuff)	
- Food supplements containing ≥ 80 % peanuts or oilseeds Aflatoxins B1 ≤ 2.0 ppb Aflatoxins B1+B2+G1+G2 ≤ 4.0 ppb - Other food supplements Aflatoxins B1 ≤ 5.0 ppb Aflatoxins B1+B2+G1+G2 ≤ 10.0 ppb - Food supplements, cocoa fibre, banana chips, dried herbs and dried spices Ochratoxin A ≤ 5.0 ppb	☒ Conforms ☐ Not Conforms ☐ NA
Melamine	☒ Conforms
Applicable to: food supplements, cocoa fibre, banana chips, dried herbs and dried spices - Benzo(a)pyrene ≤ 1.0 ppb - The sum of PAH4 (PAH4; benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene) ≤ 10.0 ppb	☒ Conforms ☐ Not Conforms ☐ NA
We confirm this product complies with Regulation (EU) 915/2023 and NO.629/2008 and keep compliance statement available	☒ Conforms

12. Others
We confirm we could meet with the requirement on hygiene of foodstuffs according to Reg 852/2004. We confirm we could meet with the requirement on general principles and requirements of food law according to REGULATION (EC) No 178/2002

FLOW CHART





Material Safety Data Sheet (MSDS)

1.	IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY	
	COMMON NAME	Coenzyme Q10 40% Powder
	COMPANY NAME	Confidential
2.	INFORMATION ON SUBSTANCE	
	CAS Number	Name
	303-98-0	Coenzyme Q10
	9000-1-5	Arabic gum
	66829-29-6	Starch sodium octenyl succinate
	10191-41-0	Vitamin E (DL- α -tocopherol)
	134-03-2	Sodium ascorbate
	7631-86-9	Silicon dioxide
	8001-21-6	Vegetable oil
	9050-36-6	Maltodextrin
3.	HAZARDS INFORMATION ON SUBSTANCE	
	EMERGENCY OVERVIEW	
	Risk of explosion if heated under confinement.	
	HMIS RATING	
	HEALTH	0
	FLAMMABILITY	0
	REACTIVITY	1
	NFPA RATING	
	HEALTH	0
	FLAMMABILITY	0
	REACTIVITY	1
	For additional information on toxicity, please refer to Section 11.	
4.	FIRST-AID MEASURES	
	ORAL EXPOSURE	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
	INHALATION EXPOSURE	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
	DERMAL EXPOSURE	In case of contact, immediately wash skin with soap and copious amounts of water.
	EYE CONTACT	In case of contact with eyes, flush with copious amounts of water for at least 10 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
5.	FIRE-FIGHTING MEASURES	
	EXPLOSION DATA	Dust Potential: This material, like most materials in powder form, is capable of creating a dust explosion.

EXTINGUISHING MEDIA	Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
FIREFIGHTING	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.
6. ACCIDENTAL RELEASE MEASURES	
PROCEDURE (S) OF PERSONAL PRECAUTION (S)	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
METHODS FOR CLEANING UP	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
7. HANDLING & STORAGE	
HANDLING	User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Open carefully.
STORAGE	Suitable: Keep dry and tightly closed and protected from direct sunlight and moisture. Store at a temperature below 25 °C place.
SPECIAL REQUIREMENTS	Once opened, run out as soon as possible. Air and light sensitive.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
ENGINEERING CONTROLS	Safety shower and eye bath. Mechanical exhaust required.
PERSONAL PROTECTIVE EQUIPMENT	Respiratory: Wear dust mask Hand: Protective gloves. Eye: Chemical safety goggles.
GENERAL HYGIENE MEASURES	Wash thoroughly after handling.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance and odor	Yellow powder, no foreign objects visible, no foreign matter and no odor Loss on drying: ≤5%
Physical properties	Particle Size: 100% pass through sieve 40 mesh 90% pass through sieve 80 mesh Solubility: May dispersed in cool water forming a emulsion.
10. STABILITY & REACTIVITY	
Chemical Stability	Stable under normal temperatures and pressures.

Conditions to Avoid	Incompatible materials, light, dust generation, exposure to air, acids, excess heat, strong oxidants.
Incompatibilities with Other Materials	Air, oxidizing agents, acids.
Hazardous Decomposition Products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization	Has not been reported.
11. TOXICOLOGICAL INFORMATION	
Epidemiology	No information found
Teratogenicity	No information found
Reproductive Effects	No information found.
Neurotoxicity	No information found
Mutagenicity	No information found
12. ECOLOGICAL INFORMATION	
No Data available yet.	
13. DISPOSAL CONSIDERATIONS	
Dispose of contents and container in accordance with Directive 2008/98/EC and applicable national and local regulations. 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. Do not discharge into drains or the environment.	
14. TRANSPORT INFORMATION	
No Data available yet.	
15. REGULATORY INFORMATION	
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
no data available	
15.2 Chemical Safety Assessment	
For this product a chemical safety assessment was not carried out	
16. OTHER INFORMATION	
This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.	