

Technical Data Sheet

Product Name: PhytoTrust™ Astragalus Extract 10% Astragaloside IV (HPLC)

Technical Data Sheet			
Botanical Name	Astragalus Membranaceus	Part	Root
AC Code	SH070031a	DER	100: 1
Origin	China	Solvent Used	Water & Ethanol
Item	Standard		Analysis Method
Appearance	Light Yellow Brown Fine Powder		Visual
Odor & Taste	Characteristic		Organoleptic
Typical Analysis			
Identification	Identical to R.S.sample		HPTLC
Astragaloside IV	≥10%		HPLC
Particle Size	95% pass 80 mesh		Sieve analysis
Bulk density	40~60g/100mL		Eur.Ph.7.0 <2.9.34>
Tapped density	60~90g/100mL		Eur.Ph.7.0 <2.9.34>
Loss on drying	≤ 5.0%		Eur.Ph.7.0<2.8.17>
Total ash	≤10.0%		Eur.Ph. <2.4.16>
Residual solvents			
Ethanol	≤ 5000ppm		GC
Pesticide Residue	Meet Eur.Ph. <2.8.13>		GC-MS/LC-MS
Non irradiated	≤700		EN13751:2002<PSL>
Heavy metals			
Heavy metals	≤ 10ppm		ICP-MS
Lead (Pb)	≤ 3.0ppm		ICP-MS
Arsenic (As)	≤ 2.0ppm		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
Salmonella	Negative/25g		Ph. Eur. 2.6.13
E. coli	Negative/g		Ph. Eur. 2.6.13
Package	N.W. 25Kgs/fiber drum and two plastic bags inside.		
Shelf life	3 Year When Properly Store		
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
Astragalus Extract	100%	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.			
Botanical name	<i>Astragalus Membranaceus</i>	Geographical origin	China
Part of the plant	Root	Wild or Cultivated	Cultivated
Harvest method	Manual harvesting	Harvest period	From Spring to Autumn
Is the technical data sheet of the plant raw material available		☒ YES ☐ NO	
Are there any agents responsible for adverse effects		☐ YES ☒ 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
Yes	Yes	Controlled use	Controlled use

Could you precise the treatments /transformations after harvest?			
☒ Decontaminated plant (treatment used:		☐ Undecontaminated plant	
☒ Washing	☒ Drying	☐ Natural drying:	☒ Artificial drying
Other:			
If mineral origin, please specify species			
If synthetic, 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	☐ YES	☒ NO
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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 with GMOs or Genetically Modified Microorganisms processing aids (bacteria, yeast... or derived from GMOs or GMMs (including enzymes))	☐ YES	☒ 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	☒ 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 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,	NO	NO	NO	NO



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walnut, cashew, pecan nut, Brazil nut, pistachio nut, macadamia nut)				
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	

NANOMATERIAL

According to Regulation(EU)No 1169/2011

Does this raw material contain or can be considered as engineered 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 modified by (UE)2010/59 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: Water & Ethanol level of residual solvents: Ethanol ≤ 5000 ppm		
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:



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ISO 9001 ☐	HACCP ☐	ISO 14001 ☐	ISO 22000 ☐	☒ OTHER
Is the raw material Food Grade?	☒ YES	☐ NO		
Can the product be used in baby food(Directive 2006/141/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 258/97/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 EU 396/2005		
Dioxins and dioxin like PCBs?	NO	Complies with EU 915/2023		
Heavy metals	Yes	Complies (≤ 10 ppm)		
PAHs(PAH4)	Yes	Complies with EU 915/2023		
Benzo[a]pyrens?	Yes	Complies with EU 915/2023		
Mycotoxins (Aflatoxins, OTA)	Yes	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)			

NUTRITIONAL VALUES

Nutritional Composition	☒ Per 100g	☐ Per serving
Energy(kJ/kcal)	≈ 329 kcal	
Total Fat(g)	1 - 2 g	
Total Carbohydrate(g)	60- 70 g	



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Fibre(g)	5 - 15 g
Protein(g)	13 - 15 g
Salt(g)	
Vitamins:	
Minerals:	
Remarks: Nutrition Data are obtained by 3 rd party lab; tested on a yearly basis	

TRACEABILITY

Batch size	500kg
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?	☒ YES	☐ NO
Do you guarantee the packaging traceability according to regulation 1935/2004(art 17)?	☒ YES	☐ NO
Can you guarantee that the product and its packaging supplied to do not contain Phtalates?	☒ YES	☐ 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)	☒ YES	☐ NO
Can you guarantee that the product and its packaging supplied to do not contain BisphenolA(BPA)?	☒ YES	☐ NO
Do you add desiccant bags during packaging process? If so,where do you mention it:.....	☒ YES	☐ NO
Can you provide migration test in order to guarantee packaging safety?	☒ YES	☐ NO



Flow Chart

