

Product Technical Data Sheet

Product name: Horse Chestnut Bark Extract

1. Technical Data Sheet		
Botanical Name	<i>Aesculus chinensis Bunge</i>	
Plant Used Part	Bark	
Country of Origin	China	
Type of extraction	Ethanol and Water	
Item	Standard	Analysis Method
Typical Analysis		
Appearance	Brown yellow powder	Visual
Identification	Positive	TLC
Assay	Aescin $\geq 20\%$	UV
Loss on Drying	$\leq 5.0\%$	CP2005
Ash	$\leq 10.0\%$	CP2005
Particle Size	95% pass through 80 mesh	Sieve analysis
Heavy metals		
Total Heavy Metals	≤ 10 ppm	Atomic Absorption
Lead	≤ 3.0 ppm	Atomic Absorption
Arsenic	≤ 2.0 ppm	Atomic Absorption
Cadmium	≤ 1.0 ppm	Atomic Absorption
Mercury	≤ 0.1 ppm	Atomic Absorption
Microorganism		
Total Plate Count	$\leq 10,000$ cfu/g	USP 32<61>
Total Molds & Yeasts	$\leq 1,000$ cfu/g	USP 32<61>
E.Coli	Negative	USP 32<61>
Salmonella	Negative	USP 32<61>
Storage & Shelf Life		
Package	N.W. 25Kgs/fiber drum and two plastic bags inside.	
Shelf life	3 Year When Properly Stored	
Storage	Store in unopened original package under clean and dry condition, away from sunlight	

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 Of Medium: / Strain: Bacteria:	
Botanical Origin	Botanical Name:	<i>Aesculus chinensis Bunge</i>	
	Part:	Bark	
	Wild Or Cultivated :	Cultivated	
	Country Of Origin:	China	
	Solvent Used :	Ethanol and Water	

3. GMO declaration

	YES	NO (Means Not Contain)
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		☒

4.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	CROSS CONTAMINATION
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	(don't forget the carriers, the additives and the processing aids)		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;

5. NON IRRADIATION

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

This product has not been treated with ionising radiation	☐ YES	☒ NO, not treated
None of the raw materials we used for this product have been treated with ionising radiation.	☐ YES	☒ NO, not treated
We confirm above Non-Irradiation statement is available	☒	

6. NANOMATERIAL

(according to EU Regulation (EU) No. 1169/2011)

This product does not contain any nanomaterials as defined in EU food	☐ YES	☒ NO, does not contain
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legislation		
This product has not been made with nanotechnology	☐ YES	☒ NO, is not made with nanotechnology
We confirm above Non-Nanomaterial statement is available	☒	

7.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 and 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 TSE-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)	☒ YES ☐ NO ☐ 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	☒ YES ☐ NO
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)	☒ YES ☐ NO
The material is not purified by using solvents, chromatographic media or buffers that contain components of animal origin	☒ YES ☐ NO
We confirm this product complies with:	☒ EU legislation 999/2001 & ☒ EP general chapter 5.2.8
We confirm BSE/TSE statement is available	☒ YES

8.Contaminants information

(according to EU Regulation No 915/2023 and NO.629/2008 as regards maximum levels for certain contaminants in foodstuff)

●Aflatoxin B1 <5ppb ●Aflatoxins B1 + B2 + G1 + G2 <10ppb ●Ochratoxin A <15ppb	☒ YES ☐ NO ☐ NA
●Melamine	☒ YES
For polycyclic aromatic hydrocarbons, in cocoa fibre, banana chips, food supplements and their preparations, dried herbs <i>and dried spices</i> : ●Maximum level of 10 µg/kg of benzo(a)pyrene ●50 µg/kg for the sum of PAH4 (PAH4;	☒ YES ☐ NO ☐ NA

benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene) in food supplements	
We confirm this product complies with NO.1881/2006 and NO.629/2008 and keep compliance statement available	☒ YES

Flow Chart

