

Via Stadera 19 - 20141 Milano
Tel.: +39-02-89557.1 Fax +39-02-89557.390

CERTIFICATE OF ANALYSIS N.:202401834**Horse Chestnut hydroalcoholic tincture DER 1/10****(*Aesculus hippocastanum* L.)**

CODE:	1818365.1		
BATCH:	2400744		
DATE OF PRODUCTION:	16/09/2024		
RETEST DATE:	16/09/2027		
PLANT SOURCE:	seeds (conker)		
EXTRACTION SOLVENT:	ethanol 35%		
Manufacturer/Supplier: EPO S.r.l.	SPECIFICATIONS		RESULT
DER:	1 / 10		Complies
Description:	clear liquid		Complies
Colour:	light yellow		Complies
Odor:	characteristic		Complies
Taste:	characteristic		Complies
TLC:detection of Escine	complies*		Complies
Assay:triterpene glycosides as anhydrous Aescine (spectr. met.)	only report		0,51
Ethanol content:	60,0 - 70,0 % v/v		68,8% v/v
Density:	0,880 - 0,920 g/ml		0,897g/ml
Total solids:	>= 1,1 % w/v		1,7% w/v
pH:	4,0 - 7,0		6,0
Hydrosolubility:	partially watersoluble		Complies
Heavy metals:	< 20 ppm (method C Ph. Eur. current edition)		Complies
Lead (ref. Reg. (EC) 1881/2006):	< = 3,0 ppm*		Complies
Cadmium (ref. Reg. (EC) 1881/2006):	< = 1,0 ppm*		Complies
Mercury (rif. Reg. (EC) 1881/2006):	< = 0,1 ppm*		Complies
Pesticides:	complies to Ph. Eur. current edition and Reg. 2005/396/EC and amendments concerning pesticides residues searched*		Complies
Aflatoxins:	Aflatoxin B1: < 2 ppb* Aflatoxin B1,B2,G1,G2: < 4 ppb*		Complies
Benzo(a)pyrene (Reg. (EC) 1881/2006):	< = 10 ppb*		Complies
Sum of Benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene (Reg. (EC) 1881/2006):	< = 50 ppb*		Complies
Carica batterica (Rif. Ph. Eur. edizione vigente in funzione della destinazione d'uso) Bacterial count (TAMC: ref. 5.1.4, oral use): Yeasts and Moulds (TYMC: ref. 5.1.4, oral use): Pathogens (ref. 5.1.4, oral use):	< = 2 x 10.000 ufc/g < = 2 x 100 ufc/g Salmonella: absent in 10 g* Escherichia coli, Staphylococcus aureus: absent in 1 g*		< 1000 ufc/g < 100 ufc/g Complies
Bile-tolerant gram-negative bacteria (ref. 5.1.4, oral use):	< = 100 ufc/g*		Complies
Note:	DNA CERTIFIED RAW MATERIAL GMO: Free from GMO (Reg. (EC) 1829/2003 and 1830/2003) BSE/TSE FREE - GLUTEN FREE ALLERGENS: Free from substances or products causing allergies or intolerances (Reg. (EU) 1169/2011 Annex II)		Complies

(*) analysis performed on basis of specific autocontrol plan- TLC: Analysis performed on raw material following monitoring plan

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Analytical methods from Ph. Eur current edition, except where otherwise specified; mentioned Regs. include subs. amendments and updates

Our extracts must be considered as raw materials (ingredients), produced in a food manufacturing site and they are not intended to be used by the final Consumer.

EPO srl guarantees that extracts are completely conforming to local and European legal frameworks, only referring to specific category "botanical extracts"•, otherwise Customers must check the intended use (including the final formulation) and legal requirements for their final product at local and regional level.

Storage conditions: store in a well closed container away from moisture and direct sun light

Handling: Handle in locations with an adequate system of ventilation to prevent accumulation of vapours in the air that can cause explosive mixtures. Avoid contact between the product and vapours with ignition sources such as open flames, sparks. Take measures to prevent the build up of electrostatic charge.

Wear protective equipment before use.

Return the origin labelling on each container used for the sampling.

Intended use: Raw material for food and cosmetics.

Date : 01/10/2024

Dott.ssa S.Vicentini
Technical Director