

CAPER FRUIT HRD® GRANULATED EXTRACT D/E 4:1

PRODUCT INFORMATION

Caper HRD® is a functional ingredient of *Capparis spinosa* L. fruits, developed with proprietary and patented HRD® technology.

PRODUCTION INFORMATION

HRD® extracts are specifically developed starting from selected raw material. The HRD® extraction process is performed using source water only with a low temperature, between 45°C and 50°C, in order to preserve all active compounds. No further solvents are used than water. Drying process with fluid bed provides an homogeneous dimension of particles.

Botanical name of the drug	<i>Capparis spinosa</i> L.
CAS number	89958-23-6
Product code	ECPPS5HD41
Production site	Italy
Origin of the drug	Italy
Excipients	maltodextrin
Auxiliary substances	none
Aflatoxins and pesticides	the analysis is usually made on the herbal drug. Specification: aflatoxin B1 < 5 ppb, total aflatoxins < 10 ppb (sum of aflatoxins B ₁ , B ₂ , G ₁ e G ₂); Residual pesticides comply to Reg.(EC) No.396/2005 and subs. amendments and updates
GMO status	any raw material and processing aids used in the production do not consists or contains GMOs and are not produced from GMOs according to EC 1829/2003 and 1830/2003 regulations
Other information	the product is gluten free and not irradiated the product complies to Reg.(EC) No. 1933/2015

TECHNICAL SPECIFICATIONS

Characters	From yellowish to yellowish-greenish powder
Solubility	water soluble (>1g / 200 cc water)
Identification	Positive (TLC)
Ratio D/E	4 :1
Residual Solvent	Not Present (water)
Humidity	Less than 5.0% (105°C, 3 hours)
Particle size	About 90% between 250 – 500 microns; < 10% goes through 200 microns
Density	About 0.4 g/ml
Heavy metals	Nmt 10 ppm (Pb <3 ppm; Cd <1 ppm; Hg <0.1 ppm)

CAPER FRUIT HRD[®] GRANULATED EXTRACT D/E 4:1**MICROBIAL CONTAMINATION**

Total Aerobic Count	not more than 10 ⁴ c.f.u./g
Moulds and Yeasts	not more than 10 ² c.f.u./g
Enterobacteriaceae	not more than 10 ² c.f.u./g
E.coli (1 g)	absent
Salmonella (25 g)	absent

*all indicated limits have to be interpreted as 2x according to Eur.Ph.

Storage Place in cool room (not more than 22°C)
Dark and dry place (humidity < 55%)

Shelf Life 36 months if unopened and stored as according to above
storage conditions.

This information is presented in good faith and, based on our knowledge at the time of printing, true and corrected. This information is offered solely for your consideration and verification.

ALLERGENS FORM		
Product(s) name:	Caper fruit HRD® soluble granulated extract D/E 4:1 ECPPS5HD41	
Composition (complete formulation of our products including additives and adjuvants):	– <i>Capparis spinosa</i> fruit – Maltodextrin	
MAIN ALLERGENS	PRESENCE (YES / NO)	QUANTITY (ppm) in case of presence
Sulphur dioxide and sulfites (specify quantity if higher than 10 ppm or 10 mg / kg)	NO	
Peanut seed and derived products (including oil)	NO	
Cashew - nut (including oil)	NO	
Walnut (including oil)	NO	
Hazelnut (including oil)	NO	
Brazil nut (including oil)	NO	
Pecan nut (including oil)	NO	
Macadamia nut (including oil)	NO	
Pistachio - nut (including oil)	NO	
Pine kernel (including oil)	NO	
Almond (including oil)	NO	
Eggs and derived products	NO	
Fishes – crustaceans and derived products (including gelatin...)	NO	
Molluscs and derived products	NO	
Soya and derived products (including lecithin..)	NO	
Gluten (specify quantity) of following origin	NO	
▪ Wheat	NO	
▪ Rye	NO	
▪ Barley	NO	
▪ rustic wheat (lat. spelta)	NO	
▪ oat	NO	
▪ Kamut®	NO	
▪ hybrid species and derived products from gluten	NO	
Milk	NO	
Dairy products including lactose (specify quantity)	NO	
Sesame seed and derived products (including oil)	NO	
Lupin (lat. lupinus) and derived products	NO	
Celery and derived products	NO	
Mustard and derived products	NO	

THERE IS NO RISK OF CROSS-CONTAMINATION IN OUR PLANTS

COPY CONFORMING TO THE ORIGINAL, VALID ALTHOUGH NOT SIGNED

In case the formula is subjected to modifications or any of the conditions we have guaranteed are changed, we oblige ourselves to inform you immediately.

DATE	POSITION	SIGNATURE OF THE PERSON RESPONSIBLE
April 2017	_____	_____

PRODUCT OF VEGETAL ORIGIN: BSE/TSE FREE

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