

CAPER FRUIT HRD® SOLUBLE 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 *Capparis spinosa* L.

CAS number 89958-23-6 **Product code** ECPPS5HD41

Production site Origin of the drugItaly

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 (>1q / 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 Countnot more than 10^4 c.f.u./gMoulds and Yeastsnot more than 10^2 c.f.u./gEnterobacteriaceaenot more than 10^2 c.f.u./g

E.coli (1 g) absent Salmonella (25 g) absent

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.

^{*}all indicated limits have to be interpreted as 5x according to Eur.Ph.

ALLERGENS FORM		
Product(s) name:	Caper fruit HRD® soluble granulated extract D/E 4:1 ECPPS5HD41 - Capparis spinosa fruit - Maltodextrin	
Composition (complete formulation of our products including additives and adjuvants):		
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)	< 10 ppm	
Peanut seed and derived products (including oil)	NO	
Cashew - nut (including oil)	NO	
Walnut (including oil)	NO	
Hazelnut (includine 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

nVH italia srl

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
July 2019		

PRODUCT OF VEGETAL ORIGIN: BSE/TSE FREE



AGRONOMIC INFORMATION FORMAT		
Plant (Raw Material)		
Scientific (Latin) Name (Genus, species, Author's	Capparis spinosa L.	
name):		
Regulatory reference	Drug included in the D.M. 10 August 2018	
Botanical Family:	Capparaceae	
Veriety or Chemotype:	not available	
Common name:	CAPPERO	
English Name:	CAPER	
Part used:	Fruit	
Geographical Origin:	Italy	
Growth conditions:		
- Cultivated	X	
- Wild		
Harvesting conditions:		
- Manual	X	
- Mechanical		
Period of harvest	April - August	
Primary processing		
- Washing	Yes	
- Pressing	Yes	
- Drying	Yes	
- Milling	Yes	

^{*} All information included in the present document are strictly in accordance to the original documentation provided by the supplier of the product

Rev. 01 July 2019