

EPO Istituto Farmochimico Fitoterapico S.r.l.

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TECHNICAL DATASHEET

Product:	Propolis mother tincture 80°
Code:	1926280
Botanical name:	Propolis
INCI name:	PROPOLIS EXTRACT
CAS number:	85665-41-4
EINECS/ELINCS number:	288-130-6
Extraction solvent:	ethanol 85%
E/D Ratio	10 / 1
Origin of the raw material used for this product:	South America
Part of plant used:	propolis is not a herb, but a product of the beehive
Preparation type:	mother tincture

Active substances of the plant:

flavonoids (chrysin, pinocembrin, galangin), benzoic acid and cinnamic acid derivatives, essential oils, waxes and resins not determined in the extract

Biological marker:

galangin

Physiologic and healthcare applications:

bacteriostatic, anti-inflammatory, for viral diseases, immunostimulant; external use: antiseborrhoeic, moisturising, smoothing.

Toxicological data:

product of natural origin for which no experimental data are available for acute toxicity, by analogy with chemically similar products are assumed a moderate level of acute toxicity

Contamination data:

Aflatoxin B1: < 2 ppb; Aflatoxin B1,B2,G1,G2: < 4 ppb

Radioactivity: < 600 Bq/kg

Pesticides: complies to Ph. Eur. current edition and Reg. 2005/396/EC and amendments, particularly:

Chlorfenvinphos < 0,01 ppm

Coumaphos < 0,01 ppm

Heavy metals: < 20 ppm (method C Ph. Eur. current edition)

Contra-indications, warnings:

the presence of esters of cinnamic acid can cause allergic reactions; topical use can cause contact dermatitis

Eventual particular notes:

raw propolis, used for production, is purified from waxes and pollens

Preservatives:

absent

Antioxidants:

absent

Storage conditions:

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

Shelf life:

three years

Bibliography:

Fitomedicine e nutrienti - Pietta - GMR Editore

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TECHNICAL SPECIFICATIONS

(Analytical methods from Ph. Eur. current edition, except where otherwise specified)

Product:	Propolis mother tincture 80°
Code:	1926280
Description:	clear liquid
Colour:	brown
Odor:	characteristic
Taste:	characteristic
Ethanol content:	77,0 - 82,0 % v/v
Density:	0,840 - 0,910 g/ml
Total solids:	<= 5,0 % w/v
pH:	4,5 - 6,0
Chloramphenicol:	< = 0,5 ppb
Hydrosolubility:	slightly soluble
Heavy metals:	< 20 ppm (method C Ph. Eur. current edition)
Lead:	< = 3,0 ppm
Cadmium:	< = 1,0 ppm
Mercury:	< = 0,1 ppm
Pesticides:	complies to Ph. Eur. current edition and Reg. 2005/396/EC and amendments, particularly: Chlorfenvinphos < 0,01 ppm Coumaphos < 0,01 ppm
Aflatoxins:	Aflatoxin B1: < 2 ppb Aflatoxin B1,B2,G1,G2: < 4 ppb
Microbiological quality (Ref. Ph. Eur. current edition depending on the intended use)	
- Bacterial count (TAMC: ref. 5.1.4, oral use):	< = 2 x 10.000 ufc/g
- Yeasts and Moulds (TYMC: ref. 5.1.4, oral use):	< = 2 x 100 ufc/g
- Pathogens (ref. 5.1.4, oral use):	Salmonella: absent in 10 g Escherichia coli, Staphylococcus aureus: absent in 1 g
Bile-tolerant gram-negative bacteria (ref. 5.1.4, oral use):	< = 100 ufc/g
Flashing point:	18-21° C
Boiling point:	ca 80° C
Note:	In compliance with Reg. (EU) n. 37/2010 and (EC) n. 470/2009 and Decision 2002/994/EC and amendments (Chloramphenicol absent) GMO FREE (Reg. 1829/2003 - 1830/2003 EC) - GLUTEN FREE - BSE/TSE FREE this product does not contain food allergens (Annex IIIa Dir. 2007/68/EC)

2	13/10/2009	Dott.ssa S.Vicentini	Dott.ssa R.Gatti	Dott.ssa S.Vicentini
REV.	DATE	WRITTEN QC	VERIFIED QA	APPROVED TD

The data reported in this Technical Data Sheet (excluding analytical ones) are taken from the texts listed in the Bibliography.

In any case this information will not discharge you from duty to identify and to monitor the product according to the use by you expected

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