

CERTIFICATE OF ANALYSIS N. : 201900255

Arnica liposoluble extract
(Arnica montana L.et Arnica spp.)

CODE:	5003300
BATCH:	1900040
DATE OF PRODUCTION:	24/09/2019
EXPIRY DATE:	24/09/2022
PLANT SOURCE:	flowers
EXTRACTION SOLVENT:	corn oil

Manufacturer/Supplier:Epo S.r.l.	SPECIFICATIONS	RESULT
E/D Ratio:	2 / 1	Complies
Description:	clear liquid	Complies
Colour:	Yellow-green	Complies
Odor:	characteristic	Complies
Density:	0,900 – 0,940 g/ml	0,919 g/ml
Acid value:	0,50 – 1,00	0,80
Refractive index:	1,460 – 1,480	1,463
Saponification value:	160 – 200	190
Benzo(a)pirene:	< = 2 ppb	Complies
Liposolubility:	totally liposoluble	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 (ref. Reg. (EC) 1881/2006):	< = 0,1 ppm*	Complies
Pesticides:	complies to Ph.Eur. current edition*	Complies
Aflatoxins:	Aflatoxin B1: < 2 ppb* Aflatoxin B1,B2,G1,G2: < 4 ppb*	Complies
Microbiological quality (Ref. Ph.Eur. current edition EXTERNAL USE) -Bacterial count (TAMC): -Yeasts and Moulds (TYMC): -Pathogens:	< = 5 x 10.000 ufc/g < = 5 x 100 ufc/g Salmonella: absent in 10 g* Escherichia coli, Staphylococcus aureus: absent in 1 g*	< 3.000 ufc/g < 100 ufc/g Complies
Bile-tolerant gram-negative bacteria:	< = 100 ufc/g	Complies
Flashing Point:	254° C	Complies
Boiling Point:	> 350° C	Complies
Note:	The corn oil used complies to Regulation (EC) n° 1881/2006 and amendments GMO: Free from GMO (Reg. (EC) 1829/2003 and 1830/2003) BSE/TSE FREE - GLUTEN FREE	Complies

(*) analysis performed on basis of specific auto control plan.

Analytical methods from Ph. Eur. Current edition, except where otherwise specified.

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

Handling: Normal fire prevention measures and environmental protection.

Intended use: cosmetic

Date: 30/09/2019

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Technical Director