

TECHNICAL DATA SHEET (TDS)

Product Name	ARNICA OIL
Botanical Name	Arnica montana
Product Code	PIO5001
INCI Name	Arnica Montana Flower Extract, Helianthus Annuus (Sunflower) Seed Oil
CAS #	68990-11-4 and 8001-21-6
EINECS #	273-579-2 and 232-273-9

Extraction Method	Infusion of dried flower heads of Arnica montana in Helianthus annuus (Sunflower) seed oil
Standardization	33.3% dry herb/L of oil (i.e., 333 g herb per 1000 ml of oil)
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Yellow to amber green colored liquid
Odour	Characteristic slight aroma
Refractive Index	1.460 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

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<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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