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TECHNICAL DATA SHEET (TDS)

Product Name	WITCH HAZEL OIL
Botanical Name	Hamamelis virginiana
Product Code	PIO5016
INCI Name	Hamamelis Virginiana (Witch Hazel) Extract and Helianthus annuus (Sunflower) Seed Oil
CAS #	68916-39-2 ; 84696-19-5 and 8001-21-6
EINECS #	283-637-9 and 232-273-9

Extraction Method	Infusion of Witch-Hazel (Hamamelis virginiana) aerial parts in Helianthus annuus (Sunflower) Seed oil
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Yellow to amber golden colored liquid
Odour	Characteristic mild herbaceous aroma
Refractive Index	1.450 - 1.490 @ 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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