

## CERTIFICATE OF ANALYSIS (COA)

Product Name	WITCH HAZEL OIL
Botanical Name	Hamamelis virginiana
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

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Yellow to amber golden colored liquid	CONFORMS
Odour	Characteristic mild herbaceous aroma	CONFORMS
Refractive Index	1.450 - 1.490 @ 20°C	1.477
Specific Gravity (g/mL)	0.900 - 0.930 @ 20°C	0.921
Saponification Value (mgKOH/g)	180 - 200	192
Solubility	Soluble in cosmetic esters and fixed oils; InSoluble in water	CONFORMS

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

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

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