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## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	<b>LICORICE (LIQUORICE) OIL</b>
<b>Botanical Name</b>	Glycyrrhiza glabra
<b>Product Code</b>	PIO5015
<b>INCI Name</b>	Helianthus annuus (Sunflower) Seed Oil and Glycyrrhiza Glabra (Licorice) Extract

<b>Batch #</b>	50152505
<b>Manufacturing Date</b>	MAY 2025
<b>Best Before Date</b>	APRIL 2027

<b>Extraction Method</b>	Infusion of Licorice (Glycyrrhiza glabra) roots in Helianthus annuus (Sunflower) seed oil
<b>Quality</b>	100% Pure and Natural

<b><u>PROPERTIES</u></b>	<b><u>SPECIFICATIONS</u></b>	<b><u>RESULTS</u></b>
<b>Appearance</b>	Pale yellow to amber brown colored liquid	CONFORMS
<b>Odour</b>	Sweet, characteristic anise and fennel-like aroma with a herbal nuance	CONFORMS
<b>Refractive Index</b>	1.460 - 1.480 @ 20°C	1.468
<b>Specific Gravity (g/mL)</b>	0.900 - 0.930 @ 20°C	0.921
<b>Solubility</b>	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

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

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

#### **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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