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CERTIFICATE OF ANALYSIS (COA)

Product Name	KIWI SEED OIL
Botanical Name	Actinidia chinensis
Product Code	PCO4008
INCI Name	Actinidia chinensis (Kiwi) Seed Oil

Batch #	40082312
Manufacturing Date	DECEMBER 2023
Best Before Date	NOVEMBER 2025

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale yellow to golden yellow colored liquid	CONFORMS
Odour	Mild characteristic pleasant odour	CONFORMS
Specific Gravity (g/mL)	0.890 - 0.950 @ 20°C	0.924
Peroxide Value (meq O₂/kg)	Less than 5.0	CONFORMS
Iodine Value (g I₂/100g)	190 - 205	CONFORMS
Acid Value (mgKOH/g)	Less than 1.0	0.25
Moisture (%)	Less than 0.1%	0.01
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
Palmitic Acid	C16:0	3.00 – 7.00	3.90
Oleic Acid	C18:1 (n-9)	10.00 – 14.00	13.50
Linoleic Acid	C18:2 (n-6)	12.00 – 17.00	16.70
Alpha-Linolenic Acid	C18:3 (n-3)	58.00 – 70.00	63.90

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<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

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<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

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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