



CERTIFICATE OF ANALYSIS (COA)

Product Name	ROSEHIP OIL
Botanical Name	Rosa rubiginosa (syn Rosa eglanteria)
Product Code	PCO4016
CAS #	84603-93-0 ; 84696-47-9 ; 92347-25-6
EINECS #	283-652-0 ; 296-213-3
INCI Name	Rosa Mosqueta / Rosa Rubiginosa (Rose Hip) Seed Oil

Batch #	40162605
Manufacturing Date	MAY 2026
Best Before Date	APRIL 2028

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Reddish amber to deep red-orange colored liquid	CONFORMS
Odour	Characteristic mild odour	CONFORMS
Refractive Index	1.467 - 1.487 @ 20°C	1.476
Specific Gravity (g/mL)	0.920 - 0.940 @ 20°C	0.932
Saponification Value (mgKOH/g)	175 - 210	185
Iodine Value (g I₂/100g)	150 - 190	173
Peroxide Value (meq O₂/kg)	Less than 5.0	CONFORMS
Acid Value (mgKOH/g)	Less than 1.0	0.15
Moisture (%)	Less than 0.1	0.01
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

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FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
Palmitic Acid	C16:0	2.00 – 5.00	2.50
Stearic Acid	C18:0	Maximum 3.00	1.20
Oleic Acid	C18:1 (n-9)	13.00 – 18.00	16.20
Linoleic Acid	C18:2 (n-6)	35.00 – 50.00	45.60
Alpha-Linolenic Acid	C18:3 (n-3)	22.00 – 38.00	33.40
Arachidic Acid	C20:0	Maximum 1.00	0.40

<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

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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