

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>ROSE HIP OIL</b>
<b>Botanical Name</b>	Rosa rubiginosa (syn Rosa eglanteria)
<b>Product Code</b>	PCO4016
<b>CAS #</b>	84603-93-0 ; 84696-47-9
<b>EINECS #</b>	283-652-0
<b>INCI Name</b>	Rosa Mosqueta/Rosa Rubiginosa Seed Oil

<b>Batch #</b>	LOT0020994
<b>Manufacturing Date</b>	MAY 2025
<b>Best Before Date</b>	MAY 2027

<b>Part Used</b>	Seeds
<b>Extraction Method</b>	Cold Pressed
<b>Quality</b>	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
<b>Appearance</b>	Light red - dark red oily liquid	CONFORMS
<b>Odour</b>	Characteristic	CONFORMS
<b>Specific Gravity @ 20°C</b>	0.890 – 0.990	0.890
<b>Refractive Index @ 20°C</b>	1.460 – 1.490	1.460
<b>Peroxide Value (meqO2/kg)</b>	<20.0	2.90
<b>Free Fatty Acid (% as oleic)</b>	<2.0	0.80
<b>Acid Value (mgKOH/g)</b>	<5.0	1.60

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure potency. Although we believe the above information to be accurate based on the information available to Avena Lab, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Avena Lab meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Avena Lab standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

**FATTY ACID COMPOSITION:**

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
<b>Myristic Acid</b>	C14:0	<2.00	0.12
<b>Palmitic Acid</b>	C16:0	2.00 – 10.00	6.50
<b>Palmitoleic Acid</b>	C16:1	<2.00	0.12
<b>Stearic Acid</b>	C18:0	1.00 – 5.00	4.50
<b>Oleic Acid</b>	C18:1	13.00 – 30.00	22.30
<b>Linoleic Acid</b>	C18:2	35.00 - 60.00	39.80
<b>Linolenic Acid</b>	C18:3	10.00 - 50.00	24.85
<b>Arachidic Acid</b>	C20:0	<2.00	0.21
<b>Behenic Acid</b>	C22:0	<1.00	0.31

**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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