

CERTIFICATE OF ANALYSIS

Product Name	COCONUT OIL
Botanical Name	Cocos nucifera
Product Code	PCO4041
CAS #	8001-31-8
EINECS #	232-282-8
INCI Name	Cocos nucifera (Coconut) Oil

Batch #	BB1 25100418
Manufacturing Date	APRIL 2025
Best Before Date	APRIL 2027

Part Used	Meat / Kernel
Extraction Method	Expeller Pressed, Refined
Quality	100% Pure and Natural

<u>SENSORY EVALUATION</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	White when solid; pale yellow when in liquid form	CONFORMS
Odour	Neutral, free from off-odour	CONFORMS
Taste	Creamy to bland	CONFORMS
Texture/Consistency	Flowy above the melting point	CONFORMS
Extraneous Matter	Free from foreign matter	CONFORMS

<u>PHYSICO-CHEMICAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Acid Value (%)	0.1 max.	0.083
Free Fatty Acid (% As Lauric)	0.05 max.	0.022
Peroxide Value (meq O₂/kg)	1.0 max.	0.210
Iodine Value (g I₂/100g)	7.0 - 12.0	9.60
Colour, Red (5 1/4" Cell)	1.0 max.	0.90
Colour, Yellow (5 1/4" Cell)	6.0 max	5.7
Moisture, KF Method (%)	0.1 max.	0.020
Slip Melting Point (°C)	23 - 26	25.2
Saponification Value	250 - 264	260.3
Refractive Index, 40 °C	1.448 - 1.450	1.448
Relative Density, 40/20 °C	0.908 - 0.921	0.916
Trans Fatty Acid (%)	1.0 max.	ND

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.

<u>SOLID FAT CONTENT (%)</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
20°C	35.0 - 42.0	39.7
25°C	7.0 max.	0.3
30°C	0.0 max.	0.0

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>TEST METHOD</u>	<u>RESULTS</u>
Aerobic Plate Count , cfu/g	1,000 max.	Patrifilm	<10
Yeast and Moulds, cfu/g	100 max.	Patrifilm	<10
Escherichia coli	<10 max.	Patrifilm	<10

<u>CONTAMINANTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
3-MCPD, bound in esters (ppm)	1.25 max.	0.199
Glycidol, bound in esters (ppm)	1.0 max.	0.099

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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