

CERTIFICATE OF ANALYSIS

Product Name	MACADAMIA NUT OIL
Botanical Name	Macadamia integrifolia
Product Code	PCO4011
CAS #	129811-19-4; 128497-20-1
INCI Name	Macadamia integrifolia (Macadamia) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden colored liquid
Odour	Nutty odour with sweet undertones
Refractive Index	1.460 - 1.479 @ 20°C
Specific Gravity (g/mL)	0.905 - 0.929 @ 25°C
Saponification Value (mgKOH/g)	190 - 200
Peroxide Value (meq O₂/kg)	Less than 4.0
Iodine Value (g I₂/100g)	67 - 87
Free Fatty Acids (% oleic)	Less than 2.0
Acid Value (mgKOH/g)	Less than 4.0
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	7.00 – 10.00
Palmitoleic Acid	C16:1 (n-7)	14.00 – 23.00
Stearic Acid	C18:0	2.00 – 5.50
Oleic Acid	C18:1 (n-9)	53.00 – 67.00
Linoleic Acid	C18:2 (n-6)	1.00 – 5.00
Arachidic Acid	C20:0	1.00 – 3.00
11-Eicosenoic Acid	C20:1 (n-9)	1.00 – 3.00
Behenic Acid	C22:0	Maximum 1.0

As it is electronically generated document, hence no signature required.

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Paros Perfumers provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.



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