



THE OIL FAMILY

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MACADAMIA NUT OIL, REFINED

LOT NUMBER: LOT0017416

PRODUCT INCI: MACADAMIA INTEGRIFOLIA SEED OIL

PRODUCT CODE: K0270

CAS NUMBER: 438545-25-6; 159518-86-2

EINECS NUMBER: NOT LISTED

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 05/02/2024

BEST BEFORE DATE: 05/02/2026

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	COMPLIES
COLOUR LOVIBOND (5¼" CELL)	<20Y, <2.0R	9.0Y, 0.7R
ODOUR	ODOURLESS	COMPLIES
SPECIFIC GRAVITY @ 20°C	0.910 - 0.930	0.915
REFRACTIVE INDEX @ 20°C	1.465 - 1.470	1.467
SAPONIFICATION VALUE (MGKOH/G)	188.0 - 200.0	191.0
UNSATURIFIABLE MATTER (%)	<1.5	0.8
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE (MEQ O2/ KG)	<10.0	0.9
IODINE VALUE (GR12/100 GR)	70.0 - 85.0	81.0

FATTY ACID PROFILE		RANGE %	RESULTS
C16:0	PALMITIC	6.0 - 12.0	10.6
C16:1	PALMITOLEIC	9.0 - 20.0	9.4
C18:0	STEARIC	2.0 - 8.0	3.2
C18:1	OLEIC	50.0 - 67.0	66.9
C18:2	LINOLEIC	3.0 - 7.0	5.2
C18:3	LINOLENIC	< 3.0	0.1
C20:0	ARACHIDIC	< 5.0	1.3
C20:1	EICOSANOIC	< 3.0	1.3
C22:0	BEHENIC	< 2.0	0.7
C24:0	LIGNOCERIC	<2.0	0.3

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