



CERTIFICATE OF ANALYSIS

PRODUCT NAME: MACADAMIA NUT OIL, REFINED

LOT NUMBER: LOT0015589

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: 15/06/22

BEST BEFORE DATE: 15/06/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	-
COLOUR LOVIBOND (5 1/4" CELL)	<20Y, <2.0R	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.915
REFRACTIVE INDEX @ 20°C	1.465 – 1.470	1.469
SAPONIFICATION VALUE	157 - 200	193.0
UNSAPONIFIABLE MATTER	<1.5	0.80
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE	<10.0	0.4
IODINE VALUE	70 - 85	83.0

FATTY ACID PROFILE		RANGE %	RESULTS
C16:0	PALMITIC	6.0 – 12.0	10.8
C16:1	PALMITOLEIC	9.0 – 20.0	9.3
C18:0	STEARIC	2.0 - 8.0	2.9
C18:1	OLEIC	50.0 – 67.0	66.7
C18:2	LINOLEIC	3.0 – 7.0	6.6
C18:3	LINOLENIC	< 3.0	0.2
C20:0	ARACHIDIC	< 5.0	1.0
C20:1	EICOSANOIC	< 3.0	1.2
C22:0	BEHENIC	< 2.0	0.6
C24:0	LIGNOCERIC	<2.0	0.2