

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MACADAMIA NUT OIL, REFINED

LOT NUMBER: LOT0000767

PRODUCT INCI: MACADAMIA INTEGRIFOLIA

PRODUCT CODE: K0270

CAS NUMBER: 128497-20-1 / 129811-19-4

EINECS NUMBER: N/A

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 09/07/2018

BEST BEFORE END DATE: 31/12/2019

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	-
COLOUR LOVIBOND (5¼" CELL)	<20y, <2.0R	9y, 0.8R
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.917
REFRACTIVE INDEX @ 20°C	1.465 – 1.470	1.466
SAPONIFICATION VALUE	187 - 200	190.0
UNSAAPONIFIABLE MATTER	<1.5	0.7
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE	<10.0	1.0
IODINE VALUE	70 - 85	83
ACID VALUE	<2.0	-

FATTY ACID PROFILE		RANGE %	RESULTS
C16:0	PALMITIC	6.0 – 12.0	10.6
C16:1	PALMITOLEIC	9.0 – 20.0	10.1
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	5.8
C18:3	LINOLENIC	< 3.0	0.2
C20:0	ARACHIDIC	< 5.0	1.1
C20:1	EICOSANOIC	< 3.0	1.1
C22:0	BEHENIC	< 2.0	0.7
C24:0	LIGNOCERIC	<2.0	0.2