

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MACADAMIA NUT OIL, REFINED

LOT NUMBER: LOT0003283

PRODUCT INCI: MACADAMIA INTEGRIFOLIA OIL

PRODUCT CODE: K0270

CAS NUMBER: 129811-19-4

EINECS NUMBER: N/A

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 31/05/2019

BEST BEFORE DATE: 31/05/2021

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	-
COLOUR LOVIBOND (5½" CELL)	<20y, <2.0R	11Y, 0.9R
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.900 – 0.920	0.918
REFRACTIVE INDEX @ 20°C	1.460 – 1.480	1.468
SAPONIFICATION VALUE	190 - 200	194
UNSAAPONIFIABLE MATTER	<1.5	0.6
FREE FATTY ACID (% AS OLEIC)	<1.0	0.1
PEROXIDE VALUE	<5.0	0.4
IODINE VALUE	70 - 85	83.0
ACID VALUE	<1.0	-

FATTY ACID PROFILE		RANGE %	RESULTS
C12:0	LAURIC	<0.5	-
C14:0	MYRISTIC	<1.5	-
C16:0	PALMITIC	7.4 – 11.5	10.9
C16:1	PALMITOLEIC	6.0 – 24.0	9.6
C18:0	STEARIC	2.0 - 6.0	3.1
C18:1	OLEIC	40.0 – 80.0	64.7
C18:2	LINOLEIC	1.5 – 15.0	7.0
C18:3	LINOLENIC	< 1.0	0.1
C20:0	ARACHIDIC	< 3.0	1.2
C20:1	EICOSANOIC	< 3.0	1.2
C22:0	BEHENIC	< 1.0	0.7
C24:0	LIGNOCERIC	<2.0	0.1