



Product Specification

PRODUCT	Macadamia Oil Refined				
CODE	WHC074	DATE	13/06/2022	REVISION	8

DESCRIPTION	Macadamia Integrifolia Seed Oil is the fixed oil obtained from the nuts of the Macadamia integrifolia, Proteaceae				
INCI NAME	Macadamia Integrifolia Seed Oil				
CAS NUMBER	438545-25-6 1591518-86-2	EC NUMBER	-		

CHARACTERISTICS	
APPEARANCE AT ROOM TEMPERATURE	Liquid
COLOUR	Light Yellow
ODOUR	Characteristic

ANALYSIS	
COLOUR (y/r)	<15.0/1.50
SPECIFIC GRAVITY (gr/cm ³)	0.910 – 0.920 @ 20°C
REFRACTIVE INDEX (nr)	1.465 – 1.470 @ 20°C
PEROXIDE VALUE (meq O ₂ /kg) (AT TIME OF PRODUCTION ANALYSIS)	≤5.00
ACID VALUE (mg KOH/gr)	≤1.00
IODINE VALUE (grI ₂ /100gr)	65.00 – 85.00
SAPONIFICATION VALUE (mg KOH/gr)	185.0 – 200.0
UNSATURATED MATTER (%)	≤1.50

FATTY ACID PROFILE (%)		
C12:0	LAURIC ACID	≤1.0
C14:0	MYRISTIC ACID	≤2.0
C16:0	PALMITIC ACID	8.00 – 12.0
C16:1	PALMITOLEIC ACID	9.00 – 24.0
C17:0	MARGARIC ACID	≤0.1
C17:1	MARGAROLEIC ACID	≤0.1
C18:0	STEARIC ACID	2.00 – 4.00
C18:1	OLEIC ACID	53.0 – 67.0
C18:2	LINOLEIC ACID	2.00 – 7.00
C18:3	LINOLENIC ACID	≤0.5

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



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C20:0	ARACHIDIC ACID	≤3.5
C20:1	EICOSENOIC ACID	≤3.0
C22:0	BEHENIC ACID	≤1.5
C22:1	ERUCIC ACID	≤0.7
C24:0	LIGNOCERIC ACID	≤0.6
OTHERS		≤2.0

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