



Essential Oils Direct Ltd

Product Specification

Product Name	Macadamia Nut Oil				
Date	06/11/2015	Product Code	-	Rev	03
Description	The fixed oil obtained from <i>Macadamia integrifolia tetraphylla</i> (Maiden & E. Betche) Fam. Proteaceae.				
Appearance	Mobile clear liquid pale to light yellow				
Odour	Characteristic, mild, very slight.				
INCI Name	Macadamia Integrifolia/Tetraphylla Seed Oil				
CAS Number	438545-25-6	EC Number	N/A		

TEST SPECIFICATION

ANALYTICAL TEST	SPECIFICATION RANGE
Specific Gravity @ 20°C (g/ml)	0.911 - 0.918
Refractive Index @ 20°C	1.466 - 1.470
Acid value (mgKOH/g)	≤ 4.0
Saponification value (mgKOH/g)	190.0 - 200.0
Iodine value (mg/g)	70.0 - 80.0
Free Fatty Acid (% as Oleic)	≤ 2.0
Fatty Acid Profile (%)	
C 12:0 Lauric Acid	≤ 1.0
C14:0 Myristic Acid	≤ 1.5
C 16:0 Palmitic Acid	8.0 - 10.0
C 16:1 Palmitoleic Acid	16.0 - 24.0
C 18:0 Stearic Acid	2.0 - 4.0
C 18:1 Oleic Acid	53.0 - 67.0
C 18:2 Linoleic Acid	1.5 - 4.0
C 18:3 Alpha Linolenic Acid	≤ 0.5
C 20:0 Arachidic Acid	1.5 - 3.0
C 20:1 Eicosenoic Acid	1.5 - 3.0
C 22:0 Behenic Acid	≤ 1.0
C 22:1 Erucic Acid	≤ 1.0
C 24:0 Lignoceric Acid	≤ 0.5

STORAGE

Store product in full, tightly closed containers in a cool dry place away from heat and sunlight.

STABILITY

When stored for more than 24 months, quality should be checked before use.