

TEST REPORT

To: Namib Desert Jojoba Oil Producers cc
P.O. Box 8377
Swakopmund

Date received: 31-Oct-19
Date required:
Date completed: 14-Nov-19

Att: Mr. O. Rust

Your Reference: verbal
Lab. Reference: I191938/3

Type of Sample(s)

!Nara oil

Samples Received

One sample received on the 31/10/2019

Test(s) Required

Total Fat (Fatty Acid Profile)

Remark: Analytical work

Analyses was outsourced to Microchem Laboratory in South Africa

Result

Test	Sample I.D.	!Nara oil (g/100g)
Total Fat		97.65
Saturated Fat		18.79
Mono-Unsaturated Fat		23.23
Poly-Unsaturated Fat		55.64
Trans Fat		0.00
Omega 3 Fatty Acids		0.426
ALA (alpha -linolenic acid)		0.117
EPA (Eicosapentaenoic acid)		0.034
DHA (Docosahexaenoic acid)		0.276
DPA (Docosapentaenoic acid)		0.000
Omega 6 Fatty acids		55.2
C4:0 Butyric acid		0.000
C6:0 Caproic acid		0.000
C8:0 Caprylic acid		0.000
C10:0 Capric acid		0.010
C12:0 Lauric acid		0.010
C13:0 Tridecanoic acid		0.000
C14:0 Myristic acid		0.095
C14:1 Myristoleic acid		0.000
C15:0 Pentadecanoic acid		0.030
C15:1 Cis-10-Pentadecanoic acid		0.000
C16:0 Palmitic acid		11.195
C16:1 Palmitoleic acid		0.080
C17:0 Heptadecanoic acid		0.045
C17:1 Cis-10-Heptadecanoic acid		0.030
C18:0 Stearic acid		7.040
C18:1n9t Elaidic acid		0.000

S. Rügheimer
Laboratory Manager

C18:1n9c Oleic acid	22.108
C18:1	0.475
C18:2n6t Linolelaidic acid	0.000
C18:2n6c Linoleic acid	55.210
C18:3n3 alpha-Linolenic acid	0.117
C18:3n6 gamma-Linolenic acid	0.000
C20:0 Arachidic acid	0.280
C20:1 cis-11-Eicosenoic acid	0.150
C20:2 all-cis-11,14-Eicsatrienoic acid	0.000
C20:3n3 all-cis-11,14,17-Eicosatrienoic acid	0.000
C20:3n6 all-cis-8,11,14-Eicosadienoic acid	0.000
C20:4n6 all-cis-5,8,11,14-Eicosatetraenoic acid	0.000
C20:5n3 all-cis-5,8,11,14,17-Eicosapentaenoic acid	0.034
C21:0 Heneicosanoic acid	0.000
C22:0 Behenic acid	0.055
C22:1n9 cis-13-Docosenoic acid	0.391
C22:2 all-cis-13,16-Docosadienoic acid	0.000
C22:4 all-cis-7,10,13,16-Docosatetraenoic acid	0.000
C22:5n3 all-cis-7,10,13,16,19-Docosapentaenoic acid	0.000
C22:5n6 all-cis-4,7,10,13,16-Docosapentaenoic acid	0.000
C22:6n3 all-cis-4,7,10,13,16,19-Docosahexaenoic acid	0.276
C23:0 Tricosanoic acid	0.020
C24:0 Lignoceric acid	0.000
C24:1 cis-15-Tetraconesoic acid	0.000

Remark: Sample acceptance
Sample was suitable for testing

S. Rügheimer
Laboratory Manager