



PRECISION OIL LABORATORIES



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CERTIFICATE OF ANALYSIS

Report No: R 26 / 20 / 39

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Date issued: 2026/01/30

Email: daryl@vinoprod.co.za

Order number: None Supplied

Sample Description: GRAPESEED

Sample: None Supplied

Sampling Date: None Supplied

Laboratory No.: P 26 / 20 / 39

Analysis:

Date received: 2026/01/20 Date Commenced: 2026/01/21 Analysis Completed: 2026/01/30

Results

The results are applicable to sample condition at receipt. The results relate only to the items tested. This certificate shall not be reproduced except in full, without the written approval of the Laboratory.

The results are reported with the expanded uncertainty at a confidence level of 95% using a factor of k=2. Uncertainty is indicated with ±. LOQ = limit of quantitation.

Note: All methods/results marked with an asterisk (*) are not SANAS accredited.

Method code	Method	Results	Units	LOD	LOQ
POL 015	007 Fatty Acid Profile				
C4:0 Butyric acid*		< 0.060	g/100g	0.060	0.14
C6:0 Caproic acid*		< 0.060	g/100g	0.060	0.14
C8:0 Caprylic acid*		< 0.060	g/100g	0.060	0.14
C10:0 Capric acid*		< 0.060	g/100g	0.060	0.14
C12:0 Lauric acid*		< 0.060	g/100g	0.060	0.14
C14:0 Myristic acid		< 0.060	g/100g	0.060	0.14
C14:1 n7 Myristoleic acid		< 0.060	g/100g	0.060	0.14
C15:0 Pentadecylic acid		< 0.060	g/100g	0.060	0.14
C16:0 Palmitic acid		6.42 ± 0.58	g/100g	0.060	0.14

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C16:1 n7 Palmitoleic acid	< 0.14 g/100g	0.060	0.14
C17:0 Margaric acid	< 0.14 g/100g	0.060	0.14
C17:1 n7 Ginkgolic acid	< 0.060 g/100g	0.060	0.14
C18:0 Stearic acid	4.35 ± 0.25 g/100g	0.060	0.14
C18:1 n7 Malvalic acid*	< 0.060 g/100g	0.060	0.14
C18:1 n9 trans Elaidic acid	< 0.060 g/100g	0.060	0.14
C18:1 n9 cis Oleic acid	12.95 ± 0.27 g/100g	0.060	0.14
C18:1 n7 Vaccenic acid*	0.70 g/100g	0.060	0.14
C18:2 n6 trans Linolelaidic acid	< 0.060 g/100g	0.060	0.14
C18:2 n6 cis Linoleic acid	74.5 ± 3.4 g/100g	0.060	0.14
C18:2 cis 9 trans 11 Ximenynic acid*	< 0.060 g/100g	0.060	0.14
C18:3 n5 Eleostearic acid*	< 0.14 g/100g	0.060	0.14
C18:3 n6 Linolenic acid	< 0.060 g/100g	0.060	0.14
C18:3 n3 Linolenic acid	0.337 ± 0.050 g/100g	0.060	0.14
C19:1 n9 Sterculic acid*	< 0.060 g/100g	0.060	0.14
C20:0 Arachidic acid	0.185 ± 0.010 g/100g	0.060	0.14
C20:1 n9 Gondoic acid	0.164 ± 0.026 g/100g	0.060	0.14
C20:2 n6 Eicosadienoic acid	< 0.060 g/100g	0.060	0.14
C20:3 n3 Eicosatrienoic acid	< 0.060 g/100g	0.060	0.14
C20:3 n6 Dihomo- γ -linolenic acid	< 0.060 g/100g	0.060	0.14
C20:4 n6 Arachidonic acid	< 0.060 g/100g	0.060	0.14
C20:5 n3 Eicosapentaenoic acid	< 0.060 g/100g	0.060	0.14
C21:0 Heneicosanoic acid	< 0.060 g/100g	0.060	0.14
C22:0 Behenic acid	< 0.060 g/100g	0.060	0.14
C22:1 n9 Erucic acid	< 0.060 g/100g	0.060	0.14
C22:2 n6 Docosadienoic acid	< 0.060 g/100g	0.060	0.14
C22:6 n3 Docosahexanoic acid	< 0.060 g/100g	0.060	0.14
C23:0 Tricosanoic acid	< 0.060 g/100g	0.060	0.14
C24:0 Lignoceric acid	< 0.060 g/100g	0.060	0.14
C24:1 n9 Nervonic acid	< 0.060 g/100g	0.060	0.14
C26:0 Cerotic acid*	< 0.060 g/100g	0.060	0.14
C26:1 n9 Ximenic acid*	< 0.060 g/100g	0.060	0.14
C28:0 Octacosanoic acid*	< 0.060 g/100g	0.060	0.14
C28:1 Octacosenylic acid*	< 0.060 g/100g	0.060	0.14
C30:1 n9 Lumequeic acid*	< 0.060 g/100g	0.060	0.14

POL 009	008 Iodine Value	LOD	LOQ
Iodine Value	141.7 ± 2.6	0.32	1.1

POL 005	002 FFA/Acid Value	LOD	LOQ
Acid value	2.34 ± 0.36 mg KOH/g sample	0.034	0.11
Free Fatty Acids	1.18 ± 0.18 g oleic acid/100g oil	0.017	0.056

Method specifications

FATTY ACID PROFILE

Limit of detection (LOD) = 0.06 g Fatty acid/100g Fatty acids.

Limit of quantitation (LOQ) = 0.14 g Fatty acid/100g Fatty acids.

Values below the limit of quantitation cannot be accurately quantified.

Rejaen Botha

**Technical Signatory and
Quality Manager**

Annemie van Zyl

**Technical Signatory and
Technical Manager**