

Oxidation (Acid Value) Report

Client: Example	Sample Received: 1 Jan, 2024	Analysed On: 1 Jan, 2024
Client Sample ID: Example		LAL ID: Example
Sample Matrix: Example		
Analytical Method: LAL-METH-05 - Determination of Acid Value in animal and vegetable fats and oils by titration		

LAL Sample ID:	Sample Reference:	Acid Value: <small>Modified AOCS Cd 3d-63 (mg KOH/g of sample)</small>
Example	Example	2.24

*B.D.L. values indicate Below Detectable Limit

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- This report shall not be reproduced except in full without the written authority of the Laboratory.

Issued On: January 11, 2024

Prepared By:
Andrew Jenkins, MSc.



Director, Analytical Services

Prepared For:
Example



Standards Council of Canada (SCC/CCN): ISO/IEC
17025:2017 General requirements for the competence of
testing and calibration laboratories
SCC file number: / Dossier du CCN no : 151170
Accredited Laboratory No. 838

Fatty Acid Profile Report

For: Example **Analysed As:** Triglyceride **LAL ID:** Example-2024
Analysis Date: 11 Jan, 2024 **Sample Units:** Milligram Per Gram
Sample Received: 1 Jan, 2024 **Sample Matrix:** Example

Sample ID: Example-2024

Analytical Method: LAL-METH-01 - Determination of Fatty Acid Composition (Modified AOCS Official Method Ce 1i-07) In: Animal or vegetable fats and oils For: Saturated, Trans-, Cis-monounsaturated, Cis-polyunsaturated, Omega-3, Omega-6, EPA and DHA fatty acids

Fatty Acid:	Amount (mg per gram):	% By Weight:
C4:0 - Methyl Butyrate	0.00	0.00
C6:0 - Methyl Caproate	0.00	0.00
C8:0 - Methyl Caprylate	0.31	0.09
C10:0 - Methyl Caprate	0.24	0.07
C12:0 - Methyl Laurate	0.06	0.02
C14:0 - Methyl Myristate	1.38	0.38
C14:1 - Methyl Myristoleate	0.03	0.01
C15:0 - Methyl Pentadecanoate	0.20	0.05
C16:0 - Methyl Palmitate	5.67	1.57
C16:1 - Methyl Palmitoleate	7.45	2.07
C18:0 - Methyl Stearate	3.25	0.90
C18:1 - Methyl Oleate	13.90	3.86
C18:2n6 - Methyl Linoleate	1.97	0.55
C18:3n6 - Methyl Gamma Linolenate	0.79	0.22
C18:3n3 - Methyl Linolenate	1.04	0.29
C18:4n3 - Methyl Stearidonate	6.00	1.67
C20:0 - Methyl Arachidate	1.10	0.31
C20:1 - Methyl Eicosenoate	2.80	0.78
C20:2n6 - Methyl 11-14 Eicosadienoate	0.63	0.18
C20:3n6 - Methyl Homogamma Linolenate	0.92	0.26
C20:4n6 - Methyl Arachidonate	2.42	0.67
C20:3n3 - Dihomo-gamma-linolenate	0.39	0.11
C20:4n3 - Methyl Arachidonate	2.39	0.66
C20:5n3 - Methyl Eicosapentaenoate (EPA)	49.50	13.74
C22:0 - Methyl Behenate	1.76	0.49
C22:1 - Methyl Erucate	10.99	3.05
C22:2n6 - Methyl Docosadienoate	0.34	0.09
C21:5n3 - Methyl Heneicosapentaenoate	5.89	1.63
C22:4n6 - Methyl Docosatetraenoate	2.07	0.57
C22:5n6 - Methyl Docosapentaenoate	4.86	1.35
C22:5n3 - Methyl Docosapentaenoate	30.73	8.53
C22:6n3 - Methyl Docosahexaenoate (DHA)	191.25	53.10
C24:0 - Methyl Lignocerate	0.00	0.00
C24:1 - Methyl Nervonate	9.84	2.73
Total (mg/g)	360.15	100.00

Fatty Acid Composition:	Amount (mg per gram):	% By Weight:
Saturated	13.97	3.88
Monosaturated	45.01	12.50
Polyunsaturated	301.17	83.62

Omega Fatty Acids:	Amount (mg per gram):	% By Weight:
Omega-3	287.18	79.74
Omega-6	13.99	3.88

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* The total represents the sum of each of the individual fatty acid components listed above it.



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Oxidation (p-Anisidine Value) Report

Client: Example
Client Sample ID: Example

Sample Received: 1 Jan, 2024

Analysed On: 1 Jan, 2024
LAL ID: Example

Sample Matrix: Example

Analytical Method: LAL-METH-04 - Determination of p-Anisidine Value in animal and vegetable fats and oils by spectrophotometry

LAL Sample ID:	Sample Reference:	p-Anisidine Value: Modified AOCS Cd 18-90 A.U. (Arbitrary Units)
Example	Example	1.0

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