

CERTIFICATE OF ANALYSIS

Product Name : A Mixture of 37 Fatty Acid Methyl Esters
Lot code : 3825
MF : NA
Mfg. Date : Feb 2026

Analyzed On : 24-Feb-2026
MW : NA
Exp. Date : March 2030
CAS No. : NA

<u>No</u>	<u>CAS</u>	<u>Product Name</u>	<u>Molecular Formula</u>	<u>MW</u>	<u>Carbon chain range</u>	<u>Mass Fraction (%)</u>	<u>Pur ity</u>
1	[623-42-7]	Methyl butyrate	C ₅ H ₁₀ O ₂	102.13	C4:0	2.63	99.4
2	[106-70-7]	Methyl hexanoate	C ₇ H ₁₄ O ₂	130.19	C6:0	2.63	99.4
3	[111-11-5]	Methyl octanoate	C ₉ H ₁₈ O ₂	158.24	C8:0	2.63	99.6
4	[110-42-9]	Methyl decanoate	C ₁₁ H ₂₂ O ₂	186.29	C10:0	2.63	99.5
5	[1731-86-8]	Methyl undecanoate	C ₁₂ H ₂₄ O ₂	200.32	C11:0	2.63	99.6
6	[111-82-0]	Methyl laurate	C ₁₃ H ₂₆ O ₂	214.34	C12:0	2.63	99.8
7	[1731-88-0]	Methyl tridecanoate	C ₁₄ H ₂₈ O ₂	228.37	C13:0	2.63	99.6
8	[124-10-7]	Methyl myristate	C ₁₅ H ₃₀ O ₂	242.40	C14:0	2.63	99.8
9	[56219-06-8]	Methyl myristoleate	C ₁₅ H ₂₈ O ₂	240.38	C14:1	2.63	99.5

10	[7132-64-1]	Methyl pentadecanoate	C ₁₆ H ₃₂ O ₂	256.39	C15:0	2.63	99.6
11	[90176-52-6]	cis-10-Methyl pentadecenoate	C ₁₆ H ₃₀ O ₂	254.39	C15:1	2.63	99.5
12	[112-39-0]	Methyl palmitate	C ₁₇ H ₃₄ O ₂	270.45	C16:0	5.26	99.8
13	[1120-25-8]	Methyl palmitoleate	C ₁₇ H ₃₂ O ₂	268.44	C16:1	2.63	99.7
14	[1731-92-6]	Methyl heptadecanoate(Methyl margarate)	C ₁₈ H ₃₆ O ₂	284.50	C17:0	2.63	99.7
15	[75190-82-8]	Methyl cis-10-heptadecenoate	C ₁₈ H ₃₄ O ₂	282.46	C17:1	2.63	99.6
16	[112-61-8]	Methyl stearate	C ₁₉ H ₃₈ O ₂	298.50	C18:0	2.63	99.7
17	[1937-62-8]	Methyl elaidate	C ₁₉ H ₃₆ O ₂	296.49	C18:1 T	2.63	99.7
18	[112-62-9]	Methyl oleate	C ₁₉ H ₃₆ O ₂	296.49	C18:1	2.63	99.8
19	[2566-97-4]	Methyl linoelaidate	C ₁₉ H ₃₄ O ₂	294.47	C18:2 TT	2.63	99.6
20	[112-63-0]	Methyl linoleate	C ₁₉ H ₃₄ O ₂	294.47	C18:2	2.63	99.6
21	[1120-28-1]	Methyl arachidate	C ₂₁ H ₄₂ O ₂	326.56	C20:0	2.63	99.8
22	[16326-32-2]	Methyl gamma-linolenate	C ₁₉ H ₃₂ O ₂	292.46	C18:3	2.63	99.3
23	[2390-09-2]	Methyl cis-11-Eicosenoate	C ₂₁ H ₄₀ O ₂	324.54	C20:1	2.63	99.7
24	[301-00-8]	Linolenic Acid Methyl Ester(Methyl α-linolenate)	C ₁₉ H ₃₂ O ₂	292.46	C18:3	2.63	99.4
25	[6064-90-0]	Methyl heneicosanoate	C ₂₂ H ₄₄ O ₂	340.58	C21:0	2.63	99.5
26	[61012-46-2]	Methyl cis-11,14-eicosadienoate	C ₂₁ H ₃₈ O ₂	322.53	C20:2	2.63	99.5
27	[929-77-1]	Methyl behenate	C ₂₃ H ₄₆ O ₂	354.60	C22:0	2.63	99.8
28	[21061-10-9]	Methyl homo-γ-linolenate	C ₂₁ H ₃₆ O ₂	320.51	C20:3	2.63	99.5

29	[1120-34-9]	Methyl erucate	C ₂₃ H ₄₄ O ₂	352.60	C22:1	2.63	99.6
30	[55682-88-7]	cis-11,14,17-Eicosatrienoic acid methyl ester Arachidonic Acid Methyl	C ₂₁ H ₃₆ O ₂	320.51	C20:3	2.63	99.5
31	[2566-89-4]	Ester(Methyl cis-5,8,11,14-eicosatetraenoate)	C ₂₁ H ₃₄ O ₂	318.49	C20:4	2.63	99.4
32	[2433-97-8]	Methyl tricosanoate	C ₂₄ H ₄₈ O ₂	368.64	C23:0	2.63	99.4
33	[61012-47-3]	Methyl cis-13,16-docosadienoate	C ₂₃ H ₄₂ O ₂	350.58	C22:2	2.63	99.5
34	[2442-49-1]	Methyl lignocerate	C ₂₅ H ₅₀ O ₂	382.66	C24:0	2.63	99.4
35	[2734-47-6]	Methyl cis-5,8,11,14,17-eicosapentaenoate(EPA-M)	C ₂₁ H ₃₂ O ₂	316.48	C20:5	2.63	99.5
36	[2733-88-2]	Methyl nervonate	C ₂₅ H ₄₈ O ₂	380.63	C24:1	2.63	99.6
37	[2566-90-7]	Methyl cis-4,7,10,13,16,19-docosahexaenoate(DHA-M)	C ₂₃ H ₃₄ O ₂	342.50	C22:6	2.63	99.7

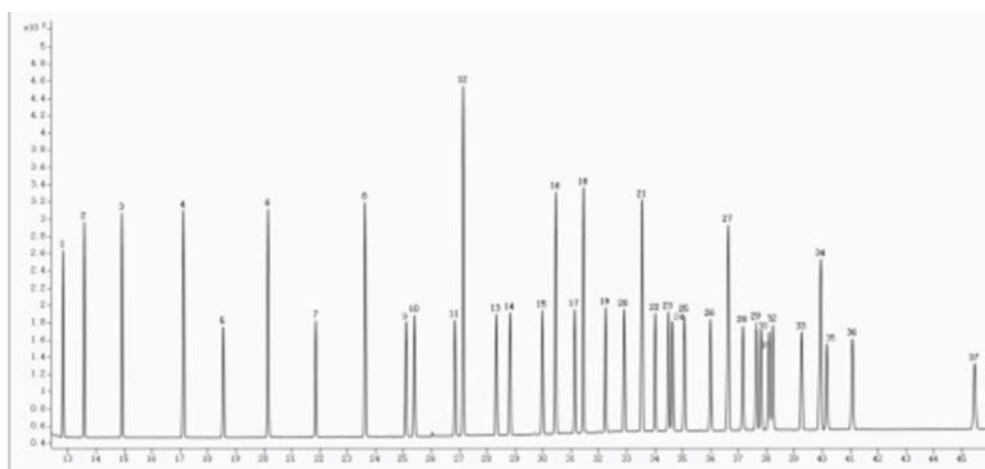
Analytical Method

Test Method: GC-FID

Column: CD-2560, 100m x 0.25mm x 0.2um (GAEQ-232421)

Injection Volume: 1µl

Oven Program: Initial temperature 180°C, hold for 5 min; Ramp at 4°C /min to 240°C, hold for 20 min.



This above product complies as per the specifications of : **MOLATOM SCIENTIFIC. LTD.**

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