

Title:

Fatty Acid Analysis of Nutritional Supplements

Prepared for:

PurOmega Nordic AS

Compiled by:

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Contract number: Interim Test Report for Contract No.: 20-PURO-001

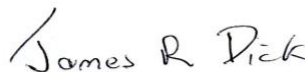
Date of report: 21-05-20

Company name:	PurOmega Nordic AS	Date sample received:	01-05-20
Customer contact name:	Henning Sæter	Date report prepared:	21-05-20
Contract number:	20-PURO-001	No. of samples:	19
P.O. number:	N/A	Sample type:	Supplements
Analysis performed:			
	Fatty Acid Profile	Date of test:	07-05-20
		Date of test:	
		Date of test:	
		Date of test:	
		Date of test:	
Methods used:			
	LM033.R00		
	LM001.R02		
Report prepared by:			
	Dr M. Sprague		

Sample condition (detail any non-conformance): _____

Name of approver: James R Dick

Signature:



(Technical Manager)

Date: 18/05/20

RESULTS

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
PurOmega 95%	0.98

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	PurOmega 95%		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	<LOQ	<LOQ	<LOQ
15:0	<LOQ	<LOQ	<LOQ
16:0	0.10	89.00	0.87
18:0	0.08	69.00	0.68
20:0	0.12	104.00	1.02
22:0	<LOQ	<LOQ	<LOQ
24:0	<LOQ	<LOQ	<LOQ
Total saturated	0.29	262.00	2.57
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	0.09	78.00	0.76
18:1n-9	0.19	168.00	1.65
18:1n-7	<LOQ	<LOQ	<LOQ
20:1n-11	<LOQ	<LOQ	<LOQ
20:1n-9	<LOQ	<LOQ	<LOQ
20:1n-7	<LOQ	<LOQ	<LOQ
22:1n-11	0.12	105.00	1.03
22:1n-9	<LOQ	<LOQ	<LOQ
24:1n-9	<LOQ	<LOQ	<LOQ
Total monounsaturated	0.39	351.00	3.44
18:2n-6	0.09	84.00	0.82
18:3n-6	<LOQ	<LOQ	<LOQ
20:2n-6	<LOQ	<LOQ	<LOQ
20:3n-6	0.18	157.00	1.54
20:4n-6	0.15	131.00	1.28
22:4n-6	<LOQ	<LOQ	<LOQ
22:5n-6	<LOQ	<LOQ	<LOQ
Total n-6 PUFA	0.42	372.00	3.65
18:3n-3	0.06	55.00	0.54
18:4n-3	1.69	1502.00	14.72
20:3n-3	<LOQ	<LOQ	<LOQ
20:4n-3	0.25	226.00	2.21
20:5n-3	52.85	47039.00	460.98
21:5n-3	1.47	1310.00	12.84
22:5n-3	1.52	1356.00	13.29
22:6n-3	40.82	36333.00	356.06
Total n-3 PUFA	98.68	87821.00	860.65
16:2	<LOQ	<LOQ	<LOQ
16:3	0.09	76.00	0.74
16:4	0.13	118.00	1.16
	0.22	194.00	1.90
Total PUFA	99.31	88387.00	866.19
Total	100.00	89000.00	872.20

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule⁻¹)
Møllers Omega-3 (Direkte)	0.56

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Møllers Omega-3 (Direkte)		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	0.41	361.00	2.02
15:0	<LOQ	<LOQ	<LOQ
16:0	1.50	1308.00	7.32
18:0	3.43	2982.00	16.70
20:0	0.58	506.00	2.83
22:0	0.19	167.00	0.94
24:0	0.08	68.00	0.38
Total saturated	6.20	5392.00	30.20
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	0.66	570.00	3.19
18:1n-9	5.91	5141.00	28.79
18:1n-7	2.39	2080.00	11.65
20:1n-11	0.46	396.00	2.22
20:1n-9	3.07	2671.00	14.96
20:1n-7	0.75	653.00	3.66
22:1n-11	2.73	2373.00	13.29
22:1n-9	0.39	343.00	1.92
24:1n-9	0.79	683.00	3.82
Total monounsaturated	17.14	14910.00	83.50
18:2n-6	0.88	766.00	4.29
18:3n-6	0.13	115.00	0.64
20:2n-6	0.41	357.00	2.00
20:3n-6	0.41	361.00	2.02
20:4n-6	2.47	2152.00	12.05
22:4n-6	0.16	142.00	0.80
22:5n-6	0.76	662.00	3.71
Total n-6 PUFA	5.24	4555.00	25.51
18:3n-3	0.63	544.00	3.05
18:4n-3	1.48	1287.00	7.21
20:3n-3	0.22	195.00	1.09
20:4n-3	1.57	1370.00	7.67
20:5n-3	36.18	31474.00	176.25
21:5n-3	1.54	1342.00	7.52
22:5n-3	4.39	3822.00	21.40
22:6n-3	25.08	21817.00	122.18
Total n-3 PUFA	71.09	61851.00	346.37
16:2	0.09	76.00	0.43
16:3	0.12	101.00	0.57
16:4	0.13	115.00	0.64
	0.34	292.00	1.64
Total PUFA	76.66	66698.00	373.51
Total	100.00	87000.00	487.20

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Nycoplus Høykonsentrert Omega-3	1.01

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Nycoplus Høykonsentrert Omega-3		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	0.24	204.00	2.06
15:0	<LOQ	<LOQ	<LOQ
16:0	3.00	2587.00	26.13
18:0	3.51	3026.00	30.56
20:0	0.45	389.00	3.93
22:0	0.11	98.00	0.99
24:0	<LOQ	<LOQ	<LOQ
Total saturated	7.32	6304.00	63.67
16:1n-9	0.08	65.00	0.66
16:1n-7	1.93	1666.00	16.83
18:1n-9	8.77	7554.00	76.30
18:1n-7	2.77	2384.00	24.08
20:1n-11	0.13	112.00	1.13
20:1n-9	1.66	1430.00	14.44
20:1n-7	0.49	426.00	4.30
22:1n-11	0.70	601.00	6.07
22:1n-9	0.16	140.00	1.41
24:1n-9	0.23	201.00	2.03
Total monounsaturated	16.93	14579.00	147.25
18:2n-6	1.14	983.00	9.93
18:3n-6	0.35	303.00	3.06
20:2n-6	0.30	257.00	2.60
20:3n-6	0.28	237.00	2.39
20:4n-6	1.70	1462.00	14.77
22:4n-6	0.10	90.00	0.91
22:5n-6	0.59	508.00	5.13
Total n-6 PUFA	4.46	3840.00	38.78
18:3n-3	0.84	720.00	7.27
18:4n-3	3.90	3356.00	33.90
20:3n-3	0.18	154.00	1.56
20:4n-3	1.47	1267.00	12.80
20:5n-3	34.88	30043.00	303.43
21:5n-3	1.49	1286.00	12.99
22:5n-3	3.23	2784.00	28.12
22:6n-3	23.37	20127.00	203.28
Total n-3 PUFA	69.36	59737.00	603.34
16:2	0.31	270.00	2.73
16:3	0.65	557.00	5.63
16:4	0.98	841.00	8.49
	1.94	1668.00	16.85
Total PUFA	75.75	65245.00	658.97
Total	100.00	86128.00	869.89

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Møllers Den originale	0.60

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Møllers, Den Originale		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	3.31	2857.00	17.14
15:0	0.25	215.00	1.29
16:0	8.25	7114.00	42.68
18:0	3.24	2793.00	16.76
20:0	0.29	251.00	1.51
22:0	0.09	81.00	0.49
24:0	<LOQ	<LOQ	<LOQ
Total saturated	15.44	13311.00	79.87
16:1n-9	0.10	86.00	0.52
16:1n-7	4.66	4018.00	24.11
18:1n-9	8.19	7059.00	42.35
18:1n-7	3.14	2703.00	16.22
20:1n-11	0.20	170.00	1.02
20:1n-9	1.77	1530.00	9.18
20:1n-7	0.49	423.00	2.54
22:1n-11	0.86	739.00	4.43
22:1n-9	0.18	151.00	0.91
24:1n-9	0.62	531.00	3.19
Total monounsaturated	20.19	17410.00	104.46
18:2n-6	1.09	938.00	5.63
18:3n-6	0.20	176.00	1.06
20:2n-6	0.31	269.00	1.61
20:3n-6	0.29	250.00	1.50
20:4n-6	1.43	1229.00	7.37
22:4n-6	<LOQ	<LOQ	<LOQ
22:5n-6	0.56	479.00	2.87
Total n-6 PUFA	3.88	3341.00	20.05
18:3n-3	0.58	504.00	3.02
18:4n-3	2.31	1991.00	11.95
20:3n-3	0.13	111.00	0.67
20:4n-3	1.17	1007.00	6.04
20:5n-3	28.26	24367.00	146.20
21:5n-3	1.21	1047.00	6.28
22:5n-3	3.39	2920.00	17.52
22:6n-3	20.94	18050.00	108.30
Total n-3 PUFA	57.99	49997.00	299.98
16:2	0.53	455.00	2.73
16:3	0.63	539.00	3.23
16:4	1.35	1163.00	6.98
	2.50	2157.00	12.94
Total PUFA	64.37	55495.00	332.97
Total	100.00	86216.00	517.30

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Vita Helse Omega-3	0.50

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule.⁻¹) of total lipid from Supplements

Fatty acid	Vita Helse Omega-3		
	%	mg. 100g ⁻¹ Oil	mg. capsule. 1
14:0	0.29	253.00	1.27
15:0	<LOQ	<LOQ	<LOQ
16:0	2.80	2409.00	12.05
18:0	3.61	3106.00	15.53
20:0	0.72	621.00	3.11
22:0	0.33	286.00	1.43
24:0	0.17	146.00	0.73
Total saturated	7.92	6821.00	34.11
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	1.02	878.00	4.39
18:1n-9	7.09	6108.00	30.54
18:1n-7	3.00	2584.00	12.92
20:1n-11	0.29	252.00	1.26
20:1n-9	2.88	2478.00	12.39
20:1n-7	0.48	413.00	2.07
22:1n-11	2.49	2146.00	10.73
22:1n-9	0.64	551.00	2.76
24:1n-9	1.06	913.00	4.57
Total monounsaturated	18.96	16323.00	81.62
18:2n-6	2.84	2446.00	12.23
18:3n-6	0.17	144.00	0.72
20:2n-6	0.33	286.00	1.43
20:3n-6	0.35	298.00	1.49
20:4n-6	2.11	1816.00	9.08
22:4n-6	0.23	201.00	1.01
22:5n-6	0.67	581.00	2.91
Total n-6 PUFA	6.70	5772.00	28.86
18:3n-3	0.75	648.00	3.24
18:4n-3	1.88	1619.00	8.10
20:3n-3	0.20	174.00	0.87
20:4n-3	1.55	1333.00	6.67
20:5n-3	32.82	28254.00	141.27
21:5n-3	1.67	1441.00	7.21
22:5n-3	5.02	4325.00	21.63
22:6n-3	22.00	18938.00	94.69
Total n-3 PUFA	65.89	56732.00	283.66
16:2	0.13	116.00	0.58
16:3	0.16	136.00	0.68
16:4	0.23	197.00	0.99
	0.52	449.00	2.25
Total PUFA	73.12	62953.00	314.77
Total	100.00	86097.00	430.49

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Triomar Hjerte Omega-3	1.00

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Triomar Hjerte Omega-3		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	0.16	139.00	1.39
15:0	0.07	62.00	0.62
16:0	3.05	2613.00	26.13
18:0	4.69	4021.00	40.21
20:0	0.53	457.00	4.57
22:0	0.16	141.00	1.41
24:0	<LOQ	<LOQ	<LOQ
Total saturated	8.67	7433.00	74.33
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	1.00	860.00	8.60
18:1n-9	10.60	9088.00	90.88
18:1n-7	3.38	2902.00	29.02
20:1n-11	0.10	90.00	0.90
20:1n-9	1.80	1547.00	15.47
20:1n-7	0.60	515.00	5.15
22:1n-11	0.45	389.00	3.89
22:1n-9	0.24	208.00	2.08
24:1n-9	0.31	263.00	2.63
Total monounsaturated	18.50	15862.00	158.62
18:2n-6	1.11	950.00	9.50
18:3n-6	0.21	182.00	1.82
20:2n-6	0.36	312.00	3.12
20:3n-6	0.27	230.00	2.30
20:4n-6	1.46	1248.00	12.48
22:4n-6	0.10	87.00	0.87
22:5n-6	0.55	468.00	4.68
Total n-6 PUFA	4.06	3477.00	34.77
18:3n-3	0.80	684.00	6.84
18:4n-3	2.60	2232.00	22.32
20:3n-3	0.19	166.00	1.66
20:4n-3	1.56	1337.00	13.37
20:5n-3	33.63	28836.00	288.36
21:5n-3	1.45	1242.00	12.42
22:5n-3	3.45	2955.00	29.55
22:6n-3	24.56	21062.00	210.62
Total n-3 PUFA	68.25	58514.00	585.14
16:2	0.13	111.00	1.11
16:3	0.16	141.00	1.41
16:4	0.24	202.00	2.02
	0.53	454.00	4.54
Total PUFA	72.83	62445.00	624.45
Total	100.00	85740.00	857.40

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Biopharma Trippel Omega-3	0.50

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	BioPharma Trippel Omega-3		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	0.09	78.00	0.39
15:0	0.06	51.00	0.26
16:0	1.97	1687.00	8.44
18:0	4.73	4045.00	20.23
20:0	0.47	398.00	1.99
22:0	0.21	176.00	0.88
24:0	<LOQ	<LOQ	<LOQ
Total saturated	7.52	6435.00	32.18
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	0.66	561.00	2.81
18:1n-9	10.10	8643.00	43.22
18:1n-7	3.45	2948.00	14.74
20:1n-11	0.15	127.00	0.64
20:1n-9	2.04	1743.00	8.72
20:1n-7	0.64	549.00	2.75
22:1n-11	0.65	560.00	2.80
22:1n-9	0.33	280.00	1.40
24:1n-9	0.57	491.00	2.46
Total monounsaturated	18.59	15902.00	79.51
18:2n-6	1.13	969.00	4.85
18:3n-6	0.21	179.00	0.90
20:2n-6	0.34	289.00	1.45
20:3n-6	0.26	223.00	1.12
20:4n-6	1.34	1142.00	5.71
22:4n-6	0.11	90.00	0.45
22:5n-6	0.73	628.00	3.14
Total n-6 PUFA	4.12	3520.00	17.60
18:3n-3	1.09	936.00	4.68
18:4n-3	2.67	2282.00	11.41
20:3n-3	0.23	196.00	0.98
20:4n-3	1.61	1375.00	6.88
20:5n-3	33.64	28779.00	143.90
21:5n-3	1.67	1432.00	7.16
22:5n-3	4.57	3908.00	19.54
22:6n-3	23.89	20436.00	102.18
Total n-3 PUFA	69.38	59344.00	296.72
16:2	0.11	90.00	0.45
16:3	0.11	90.00	0.45
16:4	0.19	159.00	0.80
	0.40	339.00	1.70
Total PUFA	73.89	63203.00	316.02
Total	100.00	85540.00	427.70

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Fri Flyt Omega-3	0.50

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Fri Flyt Omega-3		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	<LOQ	<LOQ	<LOQ
15:0	<LOQ	<LOQ	<LOQ
16:0	1.00	855.00	4.28
18:0	3.59	3078.00	15.39
20:0	0.85	729.00	3.65
22:0	0.14	123.00	0.62
24:0	<LOQ	<LOQ	<LOQ
Total saturated	5.58	4785.00	23.93
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	0.47	406.00	2.03
18:1n-9	6.81	5846.00	29.23
18:1n-7	2.52	2163.00	10.82
20:1n-11	0.32	277.00	1.39
20:1n-9	2.43	2085.00	10.43
20:1n-7	0.76	655.00	3.28
22:1n-11	1.13	972.00	4.86
22:1n-9	0.17	146.00	0.73
24:1n-9	0.23	201.00	1.01
Total monounsaturated	14.86	12751.00	63.76
18:2n-6	1.57	1346.00	6.73
18:3n-6	0.18	155.00	0.78
20:2n-6	0.42	360.00	1.80
20:3n-6	0.37	316.00	1.58
20:4n-6	2.50	2143.00	10.72
22:4n-6	0.16	134.00	0.67
22:5n-6	0.78	668.00	3.34
Total n-6 PUFA	5.97	5122.00	25.61
18:3n-3	0.88	759.00	3.80
18:4n-3	2.21	1895.00	9.48
20:3n-3	0.25	217.00	1.09
20:4n-3	1.78	1531.00	7.66
20:5n-3	38.65	33155.00	165.78
21:5n-3	1.63	1396.00	6.98
22:5n-3	3.65	3135.00	15.68
22:6n-3	24.22	20779.00	103.90
Total n-3 PUFA	73.28	62867.00	314.34
16:2	0.08	69.00	0.35
16:3	0.10	90.00	0.45
16:4	0.12	104.00	0.52
	0.31	263.00	1.32
Total PUFA	79.56	68252.00	341.26
Total	100.00	85788.00	428.94

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Pikasol Høykonsentrert Omega-3	1.00

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Pikasol Høykonsentrert Omega-3		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	0.17	147.00	1.47
15:0	<LOQ	<LOQ	<LOQ
16:0	3.20	2744.00	27.44
18:0	4.72	4047.00	40.47
20:0	0.53	452.00	4.52
22:0	0.16	141.00	1.41
24:0	<LOQ	<LOQ	<LOQ
Total saturated	8.78	7531.00	75.31
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	1.08	927.00	9.27
18:1n-9	10.75	9224.00	92.24
18:1n-7	3.46	2966.00	29.66
20:1n-11	0.14	118.00	1.18
20:1n-9	1.82	1564.00	15.64
20:1n-7	0.61	524.00	5.24
22:1n-11	0.41	349.00	3.49
22:1n-9	0.23	197.00	1.97
24:1n-9	0.31	269.00	2.69
Total monounsaturated	18.81	16138.00	161.38
18:2n-6	1.17	1005.00	10.05
18:3n-6	0.23	197.00	1.97
20:2n-6	0.37	319.00	3.19
20:3n-6	0.27	234.00	2.34
20:4n-6	1.44	1236.00	12.36
22:4n-6	0.10	83.00	0.83
22:5n-6	0.55	469.00	4.69
Total n-6 PUFA	4.13	3543.00	35.43
18:3n-3	0.81	692.00	6.92
18:4n-3	2.69	2306.00	23.06
20:3n-3	0.20	168.00	1.68
20:4n-3	1.53	1312.00	13.12
20:5n-3	33.38	28637.00	286.37
21:5n-3	1.44	1233.00	12.33
22:5n-3	3.41	2927.00	29.27
22:6n-3	24.28	20836.00	208.36
Total n-3 PUFA	67.73	58111.00	581.11
16:2	0.14	116.00	1.16
16:3	0.18	154.00	1.54
16:4	0.24	207.00	2.07
	0.56	477.00	4.77
Total PUFA	72.41	62131.00	621.31
Total	100.00	85800.00	858.00

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Møllers Aktiv	0.91

Above values based on the average of 5 individual capsules

OIL CONTENT (FOLCH)

SAMPLE ID	% OIL
Møllers Aktiv	66.59

Above values calculated from analyses performed in triplicate.

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Møllers Aktiv		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	0.12	71.03	0.65
15:0	<LOQ	<LOQ	<LOQ
16:0	4.37	2499.87	22.75
18:0	6.11	3500.88	31.86
20:0	0.53	302.69	2.75
22:0	0.16	92.27	0.84
24:0	<LOQ	<LOQ	<LOQ
Total saturated	11.29	6466.74	58.85
16:1n-9	<LOQ	<LOQ	<LOQ
16:1n-7	0.73	416.20	3.79
18:1n-9	9.84	5634.33	51.27
18:1n-7	3.00	1716.59	15.62
20:1n-11	0.12	66.38	0.60
20:1n-9	1.90	1087.30	9.89
20:1n-7	0.56	321.94	2.93
22:1n-11	0.50	286.10	2.60
22:1n-9	0.26	148.69	1.35
24:1n-9	0.38	216.40	1.97
Total monounsaturated	17.28	9893.94	90.03
18:2n-6	1.67	957.20	8.71
18:3n-6	0.19	110.19	1.00
20:2n-6	0.34	195.82	1.78
20:3n-6	0.26	148.69	1.35
20:4n-6	1.52	872.90	7.94
22:4n-6	0.11	62.40	0.57
22:5n-6	0.54	310.66	2.83
Total n-6 PUFA	4.64	2657.86	24.19
18:3n-3	0.81	464.66	4.23
18:4n-3	2.32	1330.26	12.11
20:3n-3	0.19	109.53	1.00
20:4n-3	1.46	838.38	7.63
20:5n-3	33.09	18945.52	172.40
21:5n-3	1.41	805.19	7.33
22:5n-3	3.42	1956.88	17.81
22:6n-3	23.69	13567.41	123.46
Total n-3 PUFA	66.39	38017.82	345.96
16:2	0.10	57.09	0.52
16:3	0.12	69.70	0.63
16:4	0.17	98.24	0.89
	0.39	225.03	2.05
Total PUFA	71.43	40900.70	372.20
Total	100.00	57261.38	521.08

mg.capsule based on calculated 'liquid' weight in capsule and extracted oil content

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
Eskimo-3 med pufanox	0.52

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	Eskimo-3 med pufanox		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	6.74	5720.00	29.74
15:0	0.51	434.00	2.26
16:0	15.87	13472.00	70.05
18:0	3.03	2570.00	13.36
20:0	0.17	142.00	0.74
22:0	<LOQ	<LOQ	<LOQ
24:0	<LOQ	<LOQ	<LOQ
Total saturated	26.31	22338.00	116.16
16:1n-9	0.25	210.00	1.09
16:1n-7	9.87	8384.00	43.60
18:1n-9	9.80	8320.00	43.26
18:1n-7	3.45	2926.00	15.22
20:1n-11	0.07	56.00	0.29
20:1n-9	0.60	513.00	2.67
20:1n-7	0.27	227.00	1.18
22:1n-11	0.29	246.00	1.28
22:1n-9	0.08	64.00	0.33
24:1n-9	0.29	248.00	1.29
Total monounsaturated	24.96	21194.00	110.21
18:2n-6	1.47	1247.00	6.48
18:3n-6	0.27	233.00	1.21
20:2n-6	0.19	163.00	0.85
20:3n-6	0.12	99.00	0.51
20:4n-6	1.00	848.00	4.41
22:4n-6	<LOQ	<LOQ	<LOQ
22:5n-6	0.35	295.00	1.53
Total n-6 PUFA	3.40	2885.00	15.00
18:3n-3	0.66	564.00	2.93
18:4n-3	2.88	2442.00	12.70
20:3n-3	0.07	59.00	0.31
20:4n-3	0.76	648.00	3.37
20:5n-3	20.19	17141.00	89.13
21:5n-3	0.77	650.00	3.38
22:5n-3	2.11	1790.00	9.31
22:6n-3	12.31	10455.00	54.37
Total n-3 PUFA	39.75	33749.00	175.49
16:2	1.13	960.00	4.99
16:3	1.34	1134.00	5.90
16:4	3.12	2652.00	13.79
	5.59	4746.00	24.68
Total PUFA	48.73	41380.00	215.18
Total	100.00	84912.00	441.54

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

CAPSULE OIL CONTENT

SAMPLE ID	Oil Weight (g.capsule-1)
VitaLiv Omega-3 Forte	0.98

Above values based on the average of 5 individual capsules

Fatty acid composition (% total fatty acids, mg FA.100g⁻¹ Oil and mg FA.Capsule⁻¹) of total lipid from Supplements

Fatty acid	VitaLiv Omega-3 Forte		
	%	mg. 100g ⁻¹ Oil	mg.capsule ⁻¹
14:0	1.85	1573.00	15.42
15:0	0.18	152.00	1.49
16:0	6.30	5354.00	52.47
18:0	2.65	2255.00	22.10
20:0	0.61	519.00	5.09
22:0	0.14	115.00	1.13
24:0	<LOQ	<LOQ	<LOQ
Total saturated	11.73	9968.00	97.69
16:1n-9	0.22	187.00	1.83
16:1n-7	5.39	4583.00	44.91
18:1n-9	11.61	9864.00	96.67
18:1n-7	4.02	3416.00	33.48
20:1n-11	0.77	657.00	6.44
20:1n-9	7.65	6501.00	63.71
20:1n-7	0.46	395.00	3.87
22:1n-11	5.57	4730.00	46.35
22:1n-9	0.81	687.00	6.73
24:1n-9	0.61	517.00	5.07
Total monounsaturated	37.12	31537.00	309.06
18:2n-6	1.42	1204.00	11.80
18:3n-6	0.15	126.00	1.23
20:2n-6	0.35	294.00	2.88
20:3n-6	0.20	166.00	1.63
20:4n-6	1.38	1174.00	11.51
22:4n-6	0.13	108.00	1.06
22:5n-6	0.36	308.00	3.02
Total n-6 PUFA	3.98	3380.00	33.12
18:3n-3	0.73	616.00	6.04
18:4n-3	2.31	1961.00	19.22
20:3n-3	0.18	151.00	1.48
20:4n-3	1.18	999.00	9.79
20:5n-3	21.38	18165.00	178.02
21:5n-3	1.08	918.00	9.00
22:5n-3	2.76	2347.00	23.00
22:6n-3	16.75	14232.00	139.47
Total n-3 PUFA	46.37	39389.00	386.01
16:2	0.30	259.00	2.54
16:3	0.23	196.00	1.92
16:4	0.26	224.00	2.20
	0.80	679.00	6.65
Total PUFA	51.14	43448.00	425.79
Total	100.00	84953.00	832.54

mg.capsule based on calculated oil weight in capsule

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

Fatty acid composition (% total fatty acids and mg FA.100g⁻¹ Oil) of total lipid from Oils

Fatty acid	Møllers Tran Batch 1		Møllers Tran Batch 2		Møllers Tran Batch 3	
	%	mg. 100g ⁻¹ Oil	%	mg. 100g ⁻¹ Oil	%	mg. 100g ⁻¹ Oil
14:0	3.35	2888.00	3.36	2888.00	3.47	2998.00
15:0	0.30	261.00	0.32	272.00	0.32	276.00
16:0	9.11	7860.00	9.15	7867.00	9.07	7829.00
18:0	2.05	1767.00	1.95	1679.00	1.98	1708.00
20:0	0.06	51.00	<LOQ	<LOQ	<LOQ	<LOQ
22:0	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
24:0	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Total saturated	14.87	12827.00	14.78	12706.00	14.85	12811.00
16:1n-9	0.41	357.00	0.42	361.00	0.42	362.00
16:1n-7	8.96	7730.00	9.41	8093.00	9.63	8307.00
18:1n-9	17.20	14839.00	16.66	14325.00	16.31	14073.00
18:1n-7	4.77	4112.00	4.97	4278.00	4.92	4241.00
20:1n-11	1.15	995.00	1.08	927.00	1.07	922.00
20:1n-9	12.35	10658.00	12.83	11035.00	13.21	11399.00
20:1n-7	0.46	396.00	0.45	391.00	0.51	439.00
22:1n-11	6.50	5612.00	6.41	5515.00	6.52	5627.00
22:1n-9	0.81	701.00	0.82	707.00	0.84	721.00
24:1n-9	0.39	334.00	0.34	293.00	0.38	327.00
Total monounsaturated	53.01	45734.00	53.41	45925.00	53.80	46418.00
18:2n-6	2.57	2217.00	2.33	2004.00	2.29	1978.00
18:3n-6	0.18	155.00	0.17	144.00	0.19	162.00
20:2n-6	0.36	307.00	0.35	303.00	0.34	297.00
20:3n-6	0.07	59.00	0.08	72.00	0.07	58.00
20:4n-6	0.38	327.00	0.38	327.00	0.38	326.00
22:4n-6	<LOQ	<LOQ	0.06	51.00	<LOQ	<LOQ
22:5n-6	0.13	109.00	0.12	103.00	0.14	117.00
Total n-6 PUFA	3.68	3174.00	3.49	3004.00	3.41	2938.00
18:3n-3	0.93	805.00	0.88	757.00	0.87	750.00
18:4n-3	2.78	2395.00	2.75	2366.00	2.71	2340.00
20:3n-3	0.11	93.00	0.11	95.00	0.11	91.00
20:4n-3	0.71	614.00	0.71	608.00	0.71	609.00
20:5n-3	9.00	7766.00	8.89	7642.00	8.96	7729.00
21:5n-3	0.45	387.00	0.45	388.00	0.46	395.00
22:5n-3	1.26	1083.00	1.29	1110.00	1.29	1117.00
22:6n-3	12.16	10494.00	12.20	10493.00	11.83	10204.00
Total n-3 PUFA	27.40	23637.00	27.28	23459.00	26.93	23235.00
16:2	0.46	393.00	0.46	395.00	0.47	402.00
16:3	0.31	268.00	0.31	267.00	0.27	233.00
16:4	0.29	247.00	0.28	237.00	0.28	243.00
	1.05	908.00	1.05	899.00	1.02	878.00
Total PUFA	32.13	27719.00	31.82	27362.00	31.35	27051.00
Total	100.00	86280.00	100.00	85993.00	100.00	86280.00

Limit of quantification (LOQ) for fatty acid analysis is 0.06%

Fatty acid composition (% total fatty acids and mg FA.100g⁻¹ Oil) of total lipid from Oils

Fatty acid	Møllers Tran Batch 4		Møllers Tran Batch 5	
	%	mg. 100g ⁻¹ Oil	%	mg. 100g ⁻¹ Oil
14:0	3.42	2927.00	3.49	2997.00
15:0	0.30	261.00	0.30	260.00
16:0	9.17	7850.00	9.24	7924.00
18:0	2.02	1726.00	2.07	1779.00
20:0	<LOQ	<LOQ	<LOQ	<LOQ
22:0	<LOQ	<LOQ	<LOQ	<LOQ
24:0	<LOQ	<LOQ	<LOQ	<LOQ
Total saturated	14.91	12764.00	15.11	12960.00
16:1n-9	0.41	348.00	0.41	353.00
16:1n-7	9.39	8040.00	9.16	7859.00
18:1n-9	16.62	14225.00	16.78	14389.00
18:1n-7	4.90	4190.00	4.75	4073.00
20:1n-11	0.92	790.00	1.19	1023.00
20:1n-9	13.53	11582.00	12.56	10770.00
20:1n-7	0.55	471.00	0.43	369.00
22:1n-11	6.78	5806.00	6.52	5589.00
22:1n-9	0.85	725.00	0.81	692.00
24:1n-9	0.40	342.00	0.36	313.00
Total monounsaturated	54.35	46519.00	52.97	45430.00
18:2n-6	2.27	1941.00	2.61	2240.00
18:3n-6	0.19	166.00	0.18	156.00
20:2n-6	0.34	291.00	0.33	284.00
20:3n-6	0.07	61.00	0.07	60.00
20:4n-6	0.38	327.00	0.39	332.00
22:4n-6	0.06	53.00	<LOQ	<LOQ
22:5n-6	0.13	112.00	0.14	116.00
Total n-6 PUFA	3.45	2951.00	3.72	3188.00
18:3n-3	0.86	734.00	0.99	852.00
18:4n-3	2.57	2199.00	2.68	2299.00
20:3n-3	0.11	90.00	0.10	89.00
20:4n-3	0.68	586.00	0.70	598.00
20:5n-3	8.67	7421.00	8.91	7639.00
21:5n-3	0.43	364.00	0.44	379.00
22:5n-3	1.21	1035.00	1.29	1104.00
22:6n-3	11.76	10064.00	12.03	10322.00
Total n-3 PUFA	26.28	22493.00	27.14	23282.00
16:2	0.45	382.00	0.47	401.00
16:3	0.31	265.00	0.32	273.00
16:4	0.26	220.00	0.28	237.00
	1.01	867.00	1.06	911.00
Total PUFA	30.74	26311.00	31.92	27381.00
Total	100.00	85594.00	100.00	85771.00

Limit of quantification (LOQ) for fatty acid analysis is 0.06%