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# ALGAE OIL OMEGA-3 Certificate of Analysis Essential Fatty Acid Profile



Fatty Acid as TG		mg per g	%
C4:0	Butyric Acid	0.00	0.0
C6:0	Caproic Acid	0.30	0.0
C8:0	Caprylic Acid	1.46	0.2
C10:0	Capric Acid	0.41	0.0
C12:0	Lauric Acid	0.75	0.1
C14:0	Myristic Acid	8.36	0.9
C14:1	Myristolic Acid	0.37	0.0
C15:0	Pentadecanoic Acid	0.63	0.1
C16:0	Palmitic Acid	190.99	20.6
C16:1	Palmitoleic Acid	2.44	0.3
C18:0	Stearic Acid	13.25	1.4
C18:1	Oleic Acid	45.25	4.9
C18:2N6	Linoleic Acid	0.06	0.0
C18:3N6	Gamma-linolenic Acid	1.29	0.1
C18:3N3	Alpha-linolenic Acid	1.37	0.1
C18:4N3	Stearidonic Acid	2.75	0.3
C20:0	Arachidic Acid	1.72	0.2
C20:1	Eicosenoic Acid	0.18	0.0
C20:2N6	Eicosadienoic Acid	0.00	0.0
C20:3N6	Dihomo-gamma-linolenic Acid	9.57	1.0
C20:4N6	Arachidonic Acid	1.58	0.2
C20:3N3	Eicosatrienoic Acid	0.18	0.0
C20:4N3	Eicosatetraenoic Acid	6.91	0.7
<b>C20:5N3 (EPA)</b>	<b>Eicosapentaenoic Acid</b>	<b>6.26</b>	<b>0.7</b>
C22:0	Behenic Acid	1.17	0.1
C22:1	Cetoleic Acid	0.11	0.0
C22:2N6	Docosadienoic Acid	0.00	0.0
C22:4N6	Adrenic Acid	0.19	0.0
C22:5N6	Docosapentaenoic Acid (n-6)	116.72	12.6
C22:5N3	Docosapentaenoic Acid (n-3)	1.14	0.1
<b>C22:6N3 (DHA)</b>	<b>Docosahexaenoic Acid</b>	<b>508.77</b>	<b>54.9</b>
C24:0	Lignoceric Acid	3.33	0.4
C24:1	Nervonic Acid	0.00	0.0
<b>Total Fatty Acids</b>		<b>927.51</b>	<b>100.0</b>

<b>Saturated</b>	<b>222.37</b>	<b>24.0</b>
<b>Monounsaturated</b>	<b>48.35</b>	<b>5.2</b>
<b>Polyunsaturated</b>	<b>656.79</b>	<b>70.8</b>

<b>Omega-3</b>	<b>527.38</b>	<b>56.9</b>
<b>Omega-6</b>	<b>129.41</b>	<b>14.0</b>

Modified AOCS Official Method Ce 1b-89