

MENHADEN FISH OIL

BADGER INGREDIENTS INC & INGREDIENT LOGISTICS LLC



PRODUCT DESCRIPTION:

MENHADEN FISH OIL IS A POLYSATURATED LONG CHAIN OMEGA-3 FISH OIL.

Proximate Composition

	<u>(3 Yr. Avg.)</u>	<u>Range</u>
Free Fatty Acid (as Oleic), (%)	2.15	1 - 4 (Max)
Moisture (%)	0.19	0.1 - 0.5
Impurities (%)	0.02	0.01-0.05
Iodine Value (Wijs)	166.2	150-172
Color (Gardner Scale)	11+	11-12+
Peroxide Value (PV)	2.8	2.0 - 6.0
Anisidine Value (AV)	15.6	11.0 - 20.0
TOTOX	21.2	13.0 - 30.0 (Max)
Total Omega 3 Fatty Acids, (%)	30.0	28.6 - 30.3
Total EPA+DHA+DPA	24.5	23.7 - 24.8
Total Omega 6 Fatty Acids (%)	3.7	3.4 - 4.3

Fatty Acid Composition(%) - 3 Year Average

C10:0	Caproic	<0.10	C19:0	Nonadecanoic	0.00
C12:0	Lauric	0.14	C20:0	Arachidic	0.21
C13:0	Tridecanoic	<0.10	C20:1	Gadoleic	0.95
C14:0	Myristic	9.79	C20:2n6	Eicosadienoic	0.44
C14:1	Myristoleic	<0.10	C20:3n6	homo-gamma-Linolenic	0.26
C15:0	Pentadecanoic	0.65	C20:3n3	Eicosatrienoic	0.21
C15:1	Pentadecenoic	<0.10	C20:4n3	Eicosatetraenoic	1.23
C16:0	Palmitic	19.09	C20:4n6	Arachidonic	1.10
C16:1	Palmitoleic	12.44	C20:5n3	Eicosapentaenoic	14.25
C16:2	Hexadecadienoic	<0.10	C21:0	Heneicosanoic	<0.10
C16:3	Hexadectrienoic	<0.10	C22:1	Erucic	0.19
C16:4	Hexadecatetraenoic	<0.10	C22:2	Docosadienoic	<0.10
C17:0	Heptadecanoic	0.47	C22:4n6	Adrenic	<0.10
C17:1	Heptadecenoic	0.17	C22:5n3	Docosapentaenoic	2.41
C18:0	Stearic	3.17	C22:6n3	Docosahexaenoic	7.67
C18:1	Oleic	5.69	C23:0	Tricosanoic	<0.10
C18:2n6	Linoleic	1.15	C24:0	Lignoceric	<0.10
C18:3n3	alpha-Linolenic	1.26	C24:1	Selacholeic	0.25
C18:3n6	gamma-Linolenic	0.30			
C18:4n3	Stearidonic	2.33			