

## SPECIFICATIONS with contaminants

### Neptune krill oil

PARAMETER	STANDARD SPECIFICATION	METHOD
<b>PHOSPHOLIPIDS</b>		
Total phospholipids*	≥ 42.0 g/100g	Neptune IN-0901-36
<b>FATTY ACID PROFILE</b>		
Total Omega-3*	≥ 22.0 g/100g	Neptune IN-0901-04
EPA *	≥ 15.0 %	Neptune IN-0901-04
DHA *	≥ 9.0 %	Neptune IN-0901-04
EPA g/100g*	≥ 12.0 g/100g	Neptune IN-0901-04
DHA g/100g *	≥ 7.0 g/100g	Neptune IN-0901-04
Total <i>Trans</i> Fat*	< 0.100 g/100g	Neptune IN-0901-42
<b>ANTIOXIDANTS</b>		
Esterified astaxanthin*	1000 ± 250 mg/kg	Neptune IN-0901-05
<b>STABILITY INDEXES</b>		
Saponification value*	≤ 185 mg KOH/g	Neptune IN-0901-11
p-Anisidine value*	< 5.0	Neptune IN-0901-25
Peroxide value*	< 0.5 mEq peroxide/kg	Neptune IN-0901-13
Totox value*	< 6.0	Calculation
<b>MICROBIAL ANALYSIS</b>		
Total aerobic count*	< 100 CFU/g	MFHPB-18
Total coliform*	< 10 CFU/g	MFHPB-35
<i>E. coli</i> *	Absence (per 10 g)	USP 2022
Yeast & Molds*	< 100 CFU/g	MFHPB-22
<i>Staphylococcus aureus</i> *	Absence (per 10 g)	USP 62
<i>Listeria monocytogenes</i> *	Not detected (per 25 g)	MFHPB-07
<i>Pseudomonas aeruginosa</i> *	Absence (per 10 g)	USP 62
<i>Salmonella</i> spp.*	Not detected (per 25 g)	MFHPB-20
<b>PHYSICAL PROPERTIES</b>		
Appearance*	Red Viscous Oil	Neptune IN-0901-10B
Odor*	Light Shrimp Odor	Neptune IN-0901-10B
Humidity*	< 0.90 %	Neptune IN-0901-08
Viscosity*	Report	Neptune IN-0901-51

Preservative free.

\*Analyses subcontracted.

Potential analytical error ≤5%

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<b>ORGANIC CONTAMINANTS</b>		
Melamine*	≤ 2.5 ppm	FDA LIB No. 4422, LC-MSMS
<b>Organochloro pesticides</b>		
Aldrin*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
Benzene Hexachloride (BHC)*	< 0.05 ppm	FDA PAM 304 E3C5, GC-MSMS
Chlordanes (alpha, gamma)*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
DDD, DDE, DDT*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
Dieldrin*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
Endrin*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
Heptachlor*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
Toxaphene*	< 0.01 ppm	FDA PAM 304 E3C5, GC-MSMS
<b>Polycyclic Aromatic Hydrocarbons</b>		
Benzo(a)pyrene*	≤ 2.0 ppb	AOCS Cd 21-91, LC-MSMS
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene*	≤ 10.0 ppb	AOCS Cd 21-91, LC-MSMS
<b>Dioxins and PCBs</b>		
Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)*	≤ 3 ppt	GLS DF 100, HRMS
Sums of dioxins and furans (WHO-PCDD/F-TEQ)*	< 1.75 ppt	EN 1948 modified, GLS DF 100, HRMS
Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES-6)*	< 200 ppb	Internal method, HRMS
Total PCBs (209 congeners)*	≤ 0.09 ppm	Internal method, HRMS
<b>HEAVY METALS</b>		
Arsenic (inorganic)*	< 0.1 ppm	Internal method, FIAS-AAS
Cadmium*	< 0.1 ppm	AOAC 986.15 modified, ICP-MS
Mercury*	< 0.1 ppm	AOAC 986.15 modified, ICP-MS
Lead*	< 0.1 ppm	AOAC 986.15 modified, ICP-MS

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