

## CERTIFICATE OF ANALYSIS

**NEPTUNE KRILL OIL ( 100% Pure NKO<sup>®</sup> )**
**LOT #: NKO-1105311**
**MANUFACTURING DATE: May 31, 2011**
**EXPIRY DATE: May 31, 2014**
**VERSION: June 08, 2011**

PARAMETER	STANDARD SPECIFICATION	RESULT	METHOD
<b>PHOSPHOLIPIDS</b>			
Total phospholipids	≥ 42.0 g/100g	47.1 g/100g	Neptune IN-0901-36
<b>FATTY ACID PROFILE</b>			
Total Omega-3	≥ 26.5 g/100g	27.2 g/100g	Neptune IN-0901-04
EPA	≥ 20.0 %	21.8 %	Neptune IN-0901-04
DHA	≥ 11.0 %	13.2 %	Neptune IN-0901-04
EPA g/100g	≥ 14.2 g/100g	14.5 g/100g	Neptune IN-0901-04
DHA g/100g	≥ 8.5 g/100g	9.0 g/100g	Neptune IN-0901-04
Total Omega-6	1.5 ± 0.3 g/100g	1.8 g/100g	Neptune IN-0901-04
Ratio Omega-3 / Omega-6	> 15.0 w/w	15.1 w/w	Calculation
Total Omega-9	≥ 6.5 g/100g	7.7 g/100g	Neptune IN-0901-04
Total <i>Trans</i> Fat	< 0.100 g/100g	0.016 g/100g	Neptune IN-0901-42
<b>ANTIOXIDANTS</b>			
Esterified astaxanthin	1250 ± 250 mg/kg	1500 mg/kg	Neptune IN-0901-05
<b>Vitamins</b>			
Vitamin A (Trans-retinol)	Report	116 IU/g	Neptune IN-0901-03
Vitamin E (Alpha-Tocopherol)	Report	1.4 IU/g	Neptune IN-0901-03
<b>NUTRITIONAL ANALYSIS</b>			
Saturated fatty acids	25.0 ± 5.0 g/100g	22.1 g/100g	Neptune IN-0901-04
Monounsaturated fatty acids	20.0 ± 4.0 g/100g	18.3 g/100g	Neptune IN-0901-04
Polyunsaturated fatty acids	30.0 ± 6.0 g/100g	30.2 g/100g	Neptune IN-0901-04
<b>STABILITY INDEXES</b>			
Saponification value	≤ 185.0 mg KOH/g	178 mg KOH/g	Neptune IN-0901-11
Iodine value	≥ 145.0 g I <sub>2</sub> /100g	160 g I <sub>2</sub> /100g	Neptune IN-0901-12
p-Anisidine value	< 2.1	0.5	Neptune IN-0901-25
Peroxide value	< 0.2 mEq peroxide/kg	0.0 mEq peroxide/kg	Neptune IN-0901-13
Totox value	< 2.5	0.5	Calculation
<b>MICROBIAL ANALYSIS</b>			
Total aerobic count*	< 100 CFU/g	< 5 CFU/g	MFHPB-18
Total coliform*	< 10 CFU/g	< 10 CFU/g	MFHPB-35
<i>E. coli</i> *	Absence	Absence	USP 2022
Yeast & Molds*	< 100 CFU/g	< 5 CFU/g	MFHPB-22
<i>Staphylococcus aureus</i> *	Absence	Absence	USP 62
<i>Listeria monocytogenes</i> *	Absence	Not detected	MFHPB-07
<i>Pseudomonas aeruginosa</i> *	Absence	Absence	USP 62
<i>Salmonella</i> spp.*	Absence	Not detected	MFHPB-20
<b>PHYSICAL PROPERTIES</b>			
Appearance	Red Viscous Oil	Conforms	Neptune IN-0901-10B
Odor	Light Shrimp Odor	Conforms	Neptune IN-0901-10B
Humidity	< 0.9 %	0.52 %	Neptune IN-0901-08
Viscosity	Report	1660 cP	Neptune IN-0901-51

**Preservative free.**

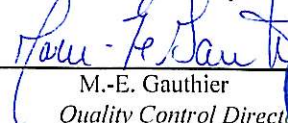
\*Analyses subcontracted.

Prepared by:



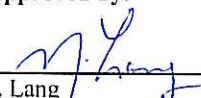
Quality Control Technician

Verified by:



 M.-E. Gauthier  
 Quality Control Director


Approved by:



 N. Lang  
 Quality Assurance Director