

Certificate of Analysis

PRODUCT: Krill Omega 10X Super Formula w/ CoQ10 –60 ct
PRODUCT NO.: MNSG-425
BATCH: 1609051 (61581906,PS0600715,NKO-1602171)
LABEL LOT NO.: **90511 10/2018**
DATE OF MANUFACTURE: Oct., 2016
BEST BEFORE/RETEST BY: Oct., 2018

General	Manufacturing Specification	Results	Method
Pharmaceutical Form	Reddish brown capsule	Passed	Observation
Capsule size and shape	24 Oval	Passed	Observation
Average Fill Weight	1387 mg +/- 5%	1389 mg	USP <2091>
Rupture Time (on delivery)	Max. 15 minutes	Passed	USP <2040>
Acid Value ¹	Max. 3 mg KOH/g	0.6 mg KOH/g	Ph. Eur. 2.5.1
Peroxide Value Finished Softgels ⁶	Report	2.0 meq/kg	AOCS Cd 8-53
Anisidine Value ¹	Max. 20	3.4	Ph.Eur.2.5.36
Lead ¹	Max. 0.1 mg/kg	Passed	External laboratory*
Cadmium ¹	Max. 0.1 mg/kg	Passed	External laboratory*
Mercury ¹	Max. 0.1 mg/kg	Passed	External laboratory*
Arsenic (inorganic) ¹	Max. 0.1 mg/kg	Passed	External laboratory*
PCBs (209 Congeners) ¹	Max. 0.09 mg/kg	Passed	External laboratory*
Sum of Dioxins & Furans (17) ¹ - TEQ ²	Max. 1.75 pg/g	Passed	External laboratory*
Sum of Dioxins & Furans and Dioxin like PCBs ¹ -TEQ ²	Max. 3 pg/g	Passed	External laboratory*

Microbiological Standard	Manufacturing Specification	Results	Methods
Total Plate Count	Max. 3,000 CFU/g	<3,000 CFU/g	USP<2021>
Total Mold & Yeast Count	Max. 300 CFU/g	<300 CFU/g	USP<2021>
<i>Escherichia coli</i>	Negative/10g	Negative/10g	USP<2022>
<i>Salmonella</i>	Negative/10g	Negative/10g	USP<2022>
<i>Staphylococcus aureus</i>	Negative/10g	Negative/10g	USP<2022>

*See attached Analytical Report(s).

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Ingredients	Specification (per 1 softgel)	Results	Method
Krill, Calamarine® & BioMarine® Omega-3 Concentrate w/ Natural Lemon/Lime Flavor and Proprietary Antioxidant Blend ³	1260 mg +/- 5%	1389 mg	Input
Krill Oil	150 mg	Conforms	Input
Total Phospholipids	60 mg	60 mg	P-NMR
EPA (EE) ⁴	225 mg	260 mg	GOED
DHA (EE) ⁴	300 mg	359 mg	GOED
Other Omega-3s (EE) ⁴	Report	93 mg	GOED
Additional Omega-3 ⁵ (EE) ⁴	50 mg	187 mg	GOED
Total Omega-3s (EE) ⁴	575 mg	712 mg	GOED
Natural Astaxanthin (from Krill Oil and <i>Haematococcus pluvialis</i> extract)	150 mcg	365 mcg	HPLC
CoQ10	50 mg	53 mg	USP
Vitamin D (as D ₃ cholecalciferol)	500 IU	702 IU	LC-MSMS
Flavor Coating	LemonLock™	Conforms	Input

¹Analysis performed on input fish oil before encapsulation and addition of other ingredients.

²Toxicity Equivalents according to WHO

³**Additives:** A proprietary natural antioxidant blend (natural tocopherols, rosemary extract, and ascorbyl palmitate) and a proprietary natural lemon/lime flavoring have been added. **Shell ingredients:** Gelatin, glycerin, purified water, sorbitol, annatto extract, and carob; Additional ingredients: Beeswax

⁴Measured as Ethyl Ester. Marine will accept analytical results from the Eurofins lab in Des Moines, IA using the GOED method.

Analytical results using other methods or analytical results from other test labs will not be recognized in a possible conflict of results.

⁵Additional Omega-3s include EPA and DHA above minimum specification as well as Other Omega-3s from line above.

⁶Elevated result due to matrix interference by CoQ10 on the analytical test.

Allergens: This product contains highly refined fish oil, crustaceans and soybeans.



Caroline Lease, Quality
November 28, 2016