

## Certificate of Analysis

**PRODUCT:** Co-Q-Omega  
**PRODUCT DESCRIPTION:** BioMarine™ 320/210 Concentrated Fish Oil MOST<sup>1</sup>  
 Quality with Natural Lemon/Lime Flavor  
**BATCH NO.:** SB007273  
**LABEL LOT NO.:** 072734 01/2018  
**PRODUCT NO.:** MNSG-213  
**DATE OF MANUFACTURE:** Jan, 2016  
**BEST BEFORE/RETEST BY:** Jan, 2018

General	Manufacturing Specification	Results	Method
Pharmaceutical Form	Amber colored soft gelatin capsules containing a reddish suspension	Conforms	Observation
Capsule size and shape	22 oblong	Conforms	Input
Average Fill Weight	1277 mg +/-5%	1295 mg	USP<2091>
Disintegration/Rupture time	Max. 15 minutes	5 min.	USP<2040>
Acid Value <sup>2</sup>	Max. 3 mg KOH/g	0.2 mg KOH/g	Ph.Eur. 2.5.1
Peroxide Value <sup>2</sup>	Max. 5 meq/kg	0.7 meq/kg	AOCS Cd 8-53
Peroxide Value--Finished Capsules	Report	14 meq/kg	USP<401>
Anisidine Value <sup>2</sup>	Max. 20	6	Ph.Eur. 2.5.36
Lead <sup>2</sup>	Max. 0.1 ppm	Passed	External laboratory *
Cadmium <sup>2</sup>	Max. 0.1 ppm	Passed	External laboratory *
Arsenic (inorganic) <sup>2</sup>	Max. 0.1 ppm	Passed	External laboratory *
Mercury <sup>2</sup>	Max. 0.1 ppm	Passed	External laboratory *
PCBs (209 Congeners) <sup>1</sup>	Max. 0.09 mg/kg	Passed	External laboratory *
Sum of Dioxins & Furans (17) <sup>1</sup> - TEQ <sup>2</sup>	Max. 1.75 pg/g	Passed	External laboratory *
Sum of Dioxins & Furans and Dioxin like PCBs <sup>1</sup> – TEQ <sup>2</sup>	Max. 3 pg/g	Passed	External laboratory *

Microbiological Standard	Manufacturing Specification	Results	Method
Total Plate Count	Max. 3,000 CFU/g	<100 CFU/g	USP<2021>
Total Mold & Yeast Count	Max. 300 CFU/g	<100 CFU/g	USP<2021>
<i>Salmonella</i>	Negative/10g	Negative/10g	USP<2022>
<i>Escherichia coli</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	Manufacturing Specification (1 soft gels)	Results	Method
Concentrated Omega-3 Fish Oil with Natural Lemon/Lime Flavor and Proprietary Antioxidant Blend <sup>4</sup>	1092 +/- 5%	Conforms	Input
EPA (as EE) <sup>5</sup>	320 mg	380 mg	Ph.Eur. 2.4.29/GOED
DHA (as EE) <sup>5</sup>	210 mg	225 mg	Ph.Eur. 2.4.29/GOED
Other Omega-3s (as EE) <sup>5</sup>	Report	112 mg	Ph.Eur. 2.4.29/GOED
Additional Omega-3 <sup>6</sup> (as EE) <sup>5</sup>	110 mg	187 mg	Ph.Eur. 2.4.29/GOED
Total Omega-3s (as EE) <sup>5</sup>	640 mg	717 mg	Ph.Eur. 2.4.29/GOED
Co-Q10	25 mg	26.25 mg	Input
Other Ingredients	Beeswax, Soy Lecithin (soy)	Conforms	Input
Shell	Manufacturing Specification	Results	Method
Shell Ingredients	Gelatin, Glycerin, Purified Water Caramel Color	Conforms	Input
Shell Hardness	Regular	Conforms	Input
Flavor coated	Lemon/Lime	Yes	Input

<sup>1</sup> Minimal Odor Superior Taste

<sup>2</sup> Analysis performed on fish oil before the addition of other ingredients.

<sup>3</sup> Toxicity Equivalents according to WHO.

<sup>4</sup> **Additives:** A proprietary natural antioxidant blend (Rosemary Extract, Ascorbyl Palmitate and Natural Tocopherols) and a proprietary natural lemon flavoring have been added.

<sup>5</sup> Measured as Ethyl Ester. Any third party test result must be based on a laboratory using the CRN or European Pharmacopeia method, non-modified. Analytical Results using AOAC, AOCS, USP or other methods, will not be recognized in a possible conflict of results Results based on input, using values calculated from assay of the raw materials by the methods indicated.

<sup>6</sup> Additional Omega-3s include EPA and DHA above minimum specification as well as Other Omega-3s from line above.

Country of origin: Fish Oil – Norway; Soft Gelatin Encapsulation – USA

Allergen: Contains highly refined fish oil and soy.



Caroline Lease, Quality  
June 22, 2016