

Certificate of Analysis

Product: Co-Q-Omega™
 Product Description: BioMarine® 320/210 CoQ10 Fish Oil with Natural Lemon/Lime Flavor
 Product No.: MNSG-213
 Packaged Batch No.: 2107034A
 Batch No.: 2107034 (10771908)
 Date of Manufacture: June 01, 2021
 Best Before Date: 06/2024

Rev. 0

General	Specification	Results	Method
Description	Amber colored soft gelatin capsule containing a golden suspension	Complies	STM001
Softgel Size and Shape ⁵	20 Oblong	Complies	STM001, STM004
Average Fill Weight	1277 mg +/- 5%	1278 mg	USP <2091>
Rupture Time	Max. 15 minutes	2 minutes	USP <2040>
Acid Value ¹	Max. 3 mg KOH/g	0 mg KOH/g	Ph.Eur. 2.5.1
Peroxide Value ¹	Max. 5 meq/kg	1 meq/kg	Ph.Eur. 2.5.5
Anisidine Value ¹	Max. 20	7	Ph.Eur. 2.5.36
Lead ¹	Less than 0.1 mg/kg	Passed	AAS/ICP-OES/MS
Cadmium ¹	Less than 0.1 mg/kg	Passed	AAS/ICP-OES/MS
Mercury ¹	Less than 0.1 mg/kg	Passed	AAS/ICP-OES/MS
Arsenic (inorganic) ¹	Less than 0.1 mg/kg	Passed	AAS/ICP-OES/MS
PCBs (209 Congeners) ¹	Max. 0.09 mg/kg	Passed	HRGC-HRMS (EN 1948 mod)
Sum of Dioxins & Furans (17) ¹ - TEQ ²	Max. 1.75 pg/g	Passed	HRGC-HRMS (EN 1948 mod)
Sum of Dioxins & Furans and Dioxin like PCBs ¹ - TEQ ²	Max. 3 pg/g	Passed	HRGC-HRMS (EN 1948 mod)

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

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Ingredients	Specification (per 1 softgel)	Results	Method
Highly Refined and Concentrated BioMarine® Omega-3 Fish Oil with Natural Lemon/Lime Flavor and Proprietary Antioxidant Blend	1176 mg +/- 5%	1177 mg	Formulation and In-process Controls
EPA (as EE) ³	Min. 320 mg	371 mg	GOED or equivalent
DHA (as EE) ³	Min. 210 mg	252 mg	GOED or equivalent
Other Omega-3s (as EE) ³	Report	100 mg	Calculation
Additional Omega-3 ⁴ (as EE) ³	Min. 110 mg	193 mg	Calculation
Total Omega-3s (as EE) ³	Min. 640 mg	723 mg	GOED or equivalent
Coenzyme Q10	Min. 25 mg	26 mg	USP or equivalent

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

²Toxicity Equivalents according to WHO

³Measured as Ethyl Ester. Marine will accept analytical results from the Eurofins laboratory in Des Moines, IA using the GOED method. Analytical results using other methods or analytical results from other test laboratories will not be recognized in a possible conflict of results.

⁴Additional Omega-3s include EPA and DHA above minimum specification as well as Other Omega-3s from line above.

⁵Size 20 oblong tooling used. This size encompasses range of 18.5 to 22 minims fill volume and dimensions.

Other Ingredients: Gelatin, bovine; glycerin, purified water; beeswax, natural lemon/lime flavor, caramel; soy lecithin; proprietary antioxidant blend (natural mixed tocopherols (soy), rosemary extract, and ascorbyl palmitate)

Allergen: Contains fish oil and soybean. Highly refined fish oil labeling exempted according to c,d. Labeling required according to a,b. Mixed tocopherols (E306). Labeling exempted according to b,c,d. Labeling required according to a.

- a) Australian New Zealand Food Standards Code (Standard 1.2.3)
- b) Directive 2000/12/EC as amended, list according to Annex IIIa
- c) US Food Allergen Labeling and Consumer Protection Act (FALCPA)
- d) Health Canada 2011 Amendments of Food Allergen Labeling Regulations

This batch is approved according to the specification.

Reviewed by/Date:

G. Hardy 08/24/21

Quality Released by/Date:

J 08/25/21