

Product: BioCardine® Omega-3
 Product Description: 330/220 TG Softgels w/ Lemon Flavor
 Product Code: MNSG-496
 Batch No.: 1808038 (80741905,81171308)
 Date of Manufacture: July, 2018

Rev. 0

General	Specification	Results	Method
Description	Clear soft gelatin capsules containing a light golden oil	Conforms	STM001
Softgel Size and Shape	20 Oblong	Conforms	STM001, STM004
Average Fill Weight	1140 mg +/- 5%	1146 mg	USP <2091>
Rupture Time	Max. 15 minutes	Pass	USP <2040>
Acid Value ¹	Max. 3 mg KOH/g	0.1 mg KOH/g	Ph.Eur. 2.5.1
Peroxide Value ¹	Max. 5 meq/kg	0.8 meq/kg	Ph.Eur. 2.5.5
Anisidine Value ¹	Max. 20	4.3	Ph.Eur. 2.5.36
Lead ¹	Less than 0.1 mg/kg	Conforms	AAS/ICP-OES/MS
Cadmium ¹	Less than 0.1 mg/kg	Conforms	AAS/ICP-OES/MS
Mercury ¹	Less than 0.1 mg/kg	Conforms	AAS/ICP-OES/MS
Arsenic (inorganic) ¹	Less than 0.1 mg/kg	Conforms	AAS/ICP-OES/MS
PCBs (209 Congeners) ¹	Max. 0.09 mg/kg	Conforms	HRGC-HRMS (EN 1948 mod)
Sum of Dioxins & Furans (17) ¹ - TEQ ²	Max. 1.75 pg/g	Conforms	HRGC-HRMS (EN 1948 mod)
Sum of Dioxins & Furans and Dioxin like PCBs ¹ - TEQ ²	Max. 3 pg/g	Conforms	HRGC-HRMS (EN 1948 mod)
Microbiological Standard	Specification	Results	Method
Total Plate Count	Max. 3,000 CFU/g	<3000 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
Ingredients	Specification	Results	Method
EPA (as TG) ³	Min. 330 mg	411 mg	GOED or equivalent
DHA (as TG) ³	Min. 220 mg	270 mg	GOED or equivalent
Other Omega-3s (as TG) ³	Report	112 mg	Calculation
Additional Omega-3 ⁴ (as TG) ³	Min. 50 mg	243 mg	Calculation
Total Omega-3s (as TG) ³	Min. 600 mg	793 mg	GOED or equivalent

¹ Analysis performed on input fish oil before encapsulation and addition of other ingredients. ²Toxicity Equivalents according to WHO
³ Measured as Triglyceride. 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.
⁴ Additional Omega-3s include EPA and DHA above minimum specification as well as Other Omega-3s from line above.

Ingredients: Fish oil, TG; gelatin, bovine; glycerin; purified water; natural lemon flavor; proprietary antioxidant blend (rosemary extract, natural mixed tocopherols, 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

Reviewed by/Date: *Jan DeSano 8/20/18*

Quality Released by/Date: *Andrew Jean 8/20/18*