SCANDINAVIAN LABORATORIES

Certificate of Analysis

PRODUCT NAME: **BioCardine® Omega-3 (Blister Cards)**
PRODUCT: **Fish Oil ~ Ethyl Ester Concentrate – 1100mg**
PRODUCT NO.: **MNSG-296**
BATCH NO: **SB001764**
EXPIRATION: **02/2013**
SHELF LIFE: **Three Years**

General	Manufacturing Spec.	Result	Methods
Pharmaceutical Form	Clear soft gelatin capsules containing a light golden oil	Conforms	Observation
Capsule size and shape	20 oblong	Conforms	Observation
Average Fill Weight	1100 mg	1109 mg	USP
Disintegration/Rupture time	max. 15 minutes	5 min.	USP
Acid Value	max. 3 mg KOH/g	0.2	031/Ph.Eur.Suppl4.3 01/2003
Peroxide Value	max. 5.0 meq/kg	1.6	002/AOCS Cd 8-53
Anisidine Value[1]	max. 20	5	016
Lead	max. 0.1 mg/kg	Passed	§64 LFGB L00.00-19/3 AAS-Gr.
Cadmium	max. 0.1 mg/kg	Passed	§64 LFGB L00.00-19/3, AAS-Gr.
Arsenic (inorganic)	max. 0.1 mg/kg	Passed	Analog § 64 LFGB L 00.00-19/3, AAS-Gr.
Mercury	max. 0.1 mg/kg	Passed	§64 LFGB L00.00-19/4, AAS-cold vapor
Marker PCBs (7)[2]	max. 0.09 mg/kg	Passed	HRGC/HRMS
Sum of dioxins, furans and dioxin-like PCBs (WHO-PCDD/F – PCB-TEQ)[2]	max. 10 pg/g	Passed	HRGC-HRMS EN 1948 modified, HRCG-HRMS

Microbiological Standard	Manufacturing Spec.	Result	Methods
Total Plate Count	max. 3,000 cfu/g	<10/g	USP/FDA-BAM
Total Mold & Yeast Count	max. 300 cfu/g	<10/g	USP/FDA-BAM
Salmonella	Negative/10g	Neg.	USP/FDA-BAM
E. Coli	Negative/10g	Neg.	USP/FDA-BAM
Staphylococcus Aureus	Negative/10g	Neg.	USP/FDA-BAM
Pseudomonas	Negative/10g	Neg.	USP/FDA-BAM

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Ingredients	Manufacturing Spec.	Result	Methods
Fish Oil – Ethyl Ester w/natural Lemon Flavor & Proprietary Antioxidant Blend[3]	1100 mg	1109 mg	Input
EPA (as EE)[4]	330 mg	361 mg	Ph.Eur.2.4.29/CRN Monogr.06
DHA (as EE)[4]	220 mg	238 mg	Ph.Eur.2.4.29/CRN Monogr.06
Other Omega-3 (as EE)[4]	50 mg	108 mg	Ph.Eur.2.4.29/CRN Monogr.06
Total Omega-3 Fatty Acids (as EE)[4]	600 mg	707 mg	Ph.Eur.2.4.29/CRN Monogr.06

[1] Analyzed before adding the lemon oil. [2] Toxicity Equivalents according to WHO
[3] **Additives:** A proprietary natural antioxidant blend consisting of Rosemary Extract, Ascorbyl Palmitate and Natural Tocopherols has been added, as has proprietary natural lemon flavoring.
[4] Measured as Ethyl Esters. Any third party test result must be based on a laboratory using the CRN or European Pharmacopeia method. Results from other methods, such as AOAC, AOCS, USP or other methods, will not be recognized in a possible conflict of results.

Lisa McAteer

Mt. Bethel PA August 23, 2010

Lisa 'McAteer for Scandinavian Laboratories *Place* *Date*

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