



SCANDINAVIAN LABORATORIES

Certificate of Analysis

PRODUCT NAME: **BioMarine1140® Blister Cards**
PRODUCT: **Shark Liver Oil, Minimally Processed
~ Deep Ocean – 1140mg**
PRODUCT NO.: **MNSG-156**
BATCH NO: **SB00296**
EXP. DATE: **01 2011**
BEST BEFORE/RETEST BY: **Three Years**

General	Manufacturing Specification	Result	Methods
Pharmaceutical Form	Clear, Soft Gelatin Capsule Containing a Light Golden Oil	Conforms	Observation
Size and Shape	20 Oblong	Conforms	Observation
Average Fill Weight	1140 mg	1141 mg	USP
Disintegration	Max. 45 Minutes	Conforms	USP
Peroxide Value	Max. 10 meq/kg	<10 meq/kg	GC & Intl Standards
Lead	Max. 0.1 mg/kg	Passed	External Lab.
Cadmium	Max. 0.1 mg/kg	Passed	External Lab.
Arsenic (inorganic)	Max. 0.1 mg/kg	Passed	External Lab.
Mercury	Max. 0.1 mg/kg	Passed	External Lab.
Marker PCBs (7)	Max. 0.09 mg/kg	Passed	External Lab.
Sum of dioxins, furans and dioxin-like PCBs (WHO- PCDD/F – PCB-TEQ)	Max. 10 pq/g	Passed	External Lab.

Microbiological Standard	Manufacturing Specification	Result	Methods
Total Plate Count	Max. 3000 cfu/g	Conforms	USP
Yeast & Mold Count	Max. 300 cfu/g	Conforms	USP
Staph aureus	Negative/10g	Conforms	USP
E. Coli	Negative/10g	Conforms	USP
Salmonella	Negative/10g	Conforms	USP
Pseudomonas	Negative/10g	Conforms	USP

Ingredients	Manufacturing Specification	Result	Methods
Shark Liver Oil	1140 mg	1141 mg	TLC/FID
providing:			
Alkylglycerols	240 mg	246 mg	TLC/FID
from DAGE	610 mg	615 mg	TLC/FID
Squalene	240 mg	304 mg	TLC/FID

Shell	Manufacturing Specification	Result	Methods
Shell Ingredients	Gelatin, Glycerin & Purified Water	Conforms	Input
Shell Hardness	Regular	Conforms	Input

Lisa O'Sullivan

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For Scandinavian Laboratories

January 18, 2018 *Mt Bethel PA*
Date *Place*

