



SCANDINAVIAN LABORATORIES

Certificate of Analysis

PRODUCT: **Shark Liver Oil 570 mg**
BATCH NO: **SB00371**
BEST BEFORE/RETEST BY: **January 2011**
SHELF LIFE: **Three Years**

General	Manufacturing Specification	Result	Methods
Pharmaceutical Form	Clear, Soft Gelatin Capsule Containing a Light Golden Oil	Conforms	Observation
Size and Shape	10 Oval	Conforms	Observation
Average Fill Weight	570 mg	578 mg	ITG ATM 030
Disintegration/ Rupture time	Max. 15 Minutes	8 min.	USP <2040>
Peroxide Value	Max. 5 meq/kg	Conforms	GC & Intl Standards
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 EN ISO 11885, mod.,ICP
Mercury	Max. 0.1 mg/kg	Passed	§64 LFGB L00.00-19/3, AAS-cold vapor
Marker PCBs (7)	Max. 0.09 mg/kg	Passed	GC-HRMS
Sum of dioxins, furans and dioxin-like PCBs (WHO- PCDD/F – PCB-TEQ)	Max. 10 pq/g	Passed	HRGC-HRMS EN 1948 modified, HRCG-HRMS

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



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Ingredients	Manufacturing Specification	Result	Methods
Shark Liver Oil	570 mg	578 mg	TLC/FID
providing:			
Alkylglycerols	120 mg	127 mg	TLC/FID
from DAGE	305 mg	320 mg	TLC/FID
Squalene	120 mg	141 mg	TLC/FID

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

April 10, 2008 Mt. Bethel, PA

Lisa O'Sullivan
For Scandinavian Laboratories

Date *Place*