

Certificate of Analysis

PRODUCT NAME: BioMarine®1140 – FSMP (Food for Special Medical Purpose)
PRODUCT: Shark Liver Oil, Minimally Processed – 1140mg
 From Shark Liver Oil derived from Deep Water Sharks
 Harvested in the Tasmanian Sea and surrounding ocean waters
PRODUCT NO.: MNSG-156 - Blister Cards
BATCH NO: 1607029 07 2019
DATE OF MANUFACTURE: July, 2016
EXP DATE: July, 2019
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 +/- 5%	1129 mg	USP
Disintegration/Rupture time	Max. 15 Minutes	Conforms	USP<2040>
Lead	Max. 0.1 mg/kg	Passed	External Laboratory
Cadmium	Max. 0.1 mg/kg	Passed	External Laboratory
Arsenic (inorganic)	Max. 0.1 mg/kg	Passed	External Laboratory
Mercury	Max. 0.1 mg/kg	Passed	External Laboratory

Microbiological Standard	Manufacturing Specification	Result	Methods
Total Plate Count	Max. 3000 CFU/g	<10 CFU/g	USP
Yeast & Mold Count	Max. 300 CFU/g	<10 CFU/g	USP
<i>S. aureus</i>	Negative/10g	Negative/10g	USP
<i>E. coli</i>	Negative/10g	Negative/10g	USP
<i>Salmonella</i>	Negative/10g	Negative/10g	USP



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Ingredients	Manufacturing Specification	Result	Methods
Shark Liver Oil	1140 mg	1129 mg	TLC/FID
providing:			
Alkylglycerols	240 mg	256 mg	TLC/FID
from DAGE	610 mg	650 mg	TLC/FID
Squalene	240 mg	265 mg	TLC/FID

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

David Barnes, COO
 August 4, 2016