

Certificate of Analysis

PRODUCT: Ultra Pure Omega 3 – 60 ct
PRODUCT DESCRIPTION: BioMarine™ 34/26 Concentrated Fish oil, MOST¹ Quality with Natural Lemon Flavor
PRODUCT NO.: MNSG-169
BATCH NO.: 1512029 (50351906, 50991905)
LABEL LOT NO.: **150296 12/2017**
DATE OF MANUFACTURE: Dec, 2015
BEST BEFORE/RETEST: Dec, 2017

General	Manufacturing Specification	Results	Method
Pharmaceutical Form	Clear soft gelatin capsules containing a light golden oil	Conforms	Observation
Capsule size and shape	20 oblong clear	Conforms	Observation
Average Fill Weight	1081 mg +/- 5%	1107 mg	USP<2091>
Disintegration/Rupture Time	Max. 15 minutes	Conforms	USP<2040>
Acid Value ¹	Max. 3 mg KOH/g	0.2 mg KOH/g	Ph.Eur.2.5.1
Peroxide Value ¹	Max. 5 meq/kg	0.9 meq/kg	AOCS Cd 8-53
Peroxide Value Finished Capsules ⁶	Max.10 meq/kg	6 meq/kg	USP <401>
Anisidine Value ¹	Max. 20	4.5	Ph.Eur.2.5.36
Lead ¹	Max. 0.1 mg/kg	Passed	External Laboratory*
Cadmium ¹	Max. 0.1 mg/kg	Passed	External Laboratory*
Mercury ¹	Max. 0.1 mg/kg	Passed	External Laboratory*
Arsenic (inorganic) ¹	Max. 0.1 mg/kg	Passed	External Laboratory*
PCBs (209 Congeners) ¹	Max. 0.09 mg/kg	Passed	External Laboratory*
Sum of Dioxins& Furans (17) ¹ – TEQ ²	Max. 1.75 pg/g	Passed	External Laboratory*
Sum of Dioxins & Furans and Dioxin like PCBs ¹ –TEQ ²	Max. 3 pg/g	Passed	External Laboratory*

Microbiological Standard	Manufacturing Specification	Result	Methods
Total Plate Count	Max. 3,000 CFU/g	<10 CFU/g	USP<2021> or Soleris
Total Mold & Yeast Count	Max. 300 CFU/g	<10 CFU/g	USP<2021> or Soleris
<i>Salmonella</i>	Negative/10g	Negative/10g	USP<2022>
<i>E. coli</i>	Negative/10g	Negative/10g	USP<2022>
<i>Staphylococcus aureus</i>	Negative/10g	Negative/10g	USP<2022> or Soleris

*See attached Analytical Report(s).

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Ingredients (per one soft gel)	Manufacturing Specification	Results	Method
Concentrated Omega-3 Fish Oil with Natural Lemon Flavor and Proprietary Antioxidant Blend ³	1081 mg +/- 5%	1104 mg	Input
EPA (as EE) ⁴	325 mg	340 mg	Ph.Eur.2.4.29/GOED
DHA (as EE) ⁴	250 mg	257 mg	Ph.Eur.2.4.29/GOED
Other Omega-3s (as EE) ⁴	Report	111 mg	Ph.Eur.2.4.29/GOED
Additional Omega-3 ⁵ (as EE) ⁴	50 mg	133 mg	Ph.Eur.2.4.29/GOED
Total Omega-3s (EE) ⁴	625 mg	708 mg	Ph.Eur.2.4.29/GOED

Shell	Manufacturing Specification	Results	Method
Shell Ingredients	Gelatin, Glycerin, Purified Water	Conforms	Input
Shell Hardness	Medium Soft	Conforms	Input
Flavor Coating	Lemon	Conforms	Input

¹Analysis performed on fish oil before the addition of other ingredients.

²Toxicity Equivalents according to WHO.

³**Additives:** A proprietary natural antioxidant blend (Natural Tocopherols, Rosemary Extract, and Ascorbyl Palmitate) and a proprietary natural lemon flavoring have been added.

⁴Measured as Ethyl Ester. Any third party test result must be based on a laboratory using the CRN/GOED or European Pharmacopeia method, non-modified. Analytical Results using AOAC, AOCS, USP or other methods, will not be recognized in a possible conflict of results. Results based on input, using values calculated from assay of the raw materials by the methods indicated.

⁵Additional Omega-3s include EPA and DHA above minimum specification as well as Other Omega-3s from line above.

⁶Peroxide Value on delivery to customer.



Caroline Lease, Quality
June 14, 2016