

# Certificate of Analysis

**Product Name:** Res-Q 1250  
**Product:** BioMarine™ Concentrated Omega-3 Fish Oil  
 700 EE (390/300) w/Natural Lemon Flavor  
**Product Number:** MNSG-162  
**Label Lot Number:** 29201 12 2013 (P0250609/00501902/00341909)  
**Best Before/Retest By:** December 2013

| General                                                      | Manufacturing Specification                               | Result   | Methods        |
|--------------------------------------------------------------|-----------------------------------------------------------|----------|----------------|
| Pharmaceutical Form                                          | Clear soft gelatin capsules containing a light golden oil | Conforms | Observation    |
| Capsule size and shape                                       | 24 Oblong                                                 | Conforms | Observation    |
| Average Fill Weight                                          | 1307 mg                                                   | 1314 mg  | USP <2091>     |
| Disintegration/Rupture time                                  | 15 minutes                                                | 6        | USP <2040>     |
| Acid Value                                                   | Max. 3 mg KOH/g                                           | 0.4      | Ph.Eur. 2.5.1  |
| Peroxide <sup>1</sup>                                        | NMT 5.0 meq/kg                                            | 1.3      | AOCS Cd 8-53   |
| Anisidine <sup>1</sup>                                       | Max. 20                                                   | 8        | Ph.Eur. 2.5.36 |
| Lead <sup>1</sup>                                            | Max. 0.1 ppm                                              | Conforms | Eurofins*      |
| Cadmium <sup>1</sup>                                         | Max. 0.1 ppm                                              | Conforms | Eurofins*      |
| Mercury <sup>1</sup>                                         | Max. 0.1 ppm                                              | Conforms | Eurofins*      |
| Arsenic (inorganic) <sup>1</sup>                             | Max. 0.1 ppm                                              | Conforms | Eurofins*      |
| Marker PCBs (7) <sup>1</sup>                                 | Max. 0.09 mg/kg                                           | Conforms | Eurofins*      |
| Dioxinlike PCBs (12) <sup>1</sup> -TEQ <sup>2</sup>          | Max. 3 pg/g                                               | Conforms | Eurofins*      |
| Sum of Dioxins & Furans (17) <sup>1</sup> - TEQ <sup>2</sup> | Max. 2 pg/g                                               | Conforms | Eurofins*      |

| Microbiological Standard | Manufacturing Specification | Result     | Methods                |
|--------------------------|-----------------------------|------------|------------------------|
| Total Plate Count        | Max. 3,000 cfu/g            | <100 cfu/g | USP<2021> or Soleris** |
| Total Mold & Yeast Count | Max. 300 cfu/g              | <100 cfu/g | USP<2021> or Soleris** |
| Salmonella               | Negative per 10g            | Negative   | USP<2022>              |
| Escherichia Coli         | Negative per 10g            | Negative   | USP<2022> or Soleris** |
| Staphylococcus Aureus    | Negative per 10g            | Negative   | USP<2022> or Soleris** |

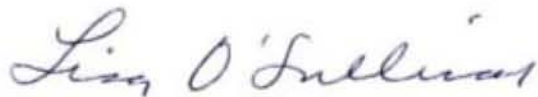
\*See attached Analytical Report(s) from Eurofins.

\*\* The Soleris Method is AOAC certified.

| Ingredients                                                                                            | Mfg. Specification<br>1 softgel | Result  | Methods             |
|--------------------------------------------------------------------------------------------------------|---------------------------------|---------|---------------------|
| BioMarine™ Concentrated Fish oil w/Natural Lemon Flavor and Proprietary Antioxidant Blend <sup>3</sup> | 1307 mg                         | 1314 mg | Input               |
| EPA (as EE) <sup>4</sup>                                                                               | 390 - 430 mg                    | 402 mg  | Ph.Eur. 2.4.29/GOED |
| DHA (as EE) <sup>4</sup>                                                                               | 300 - 325 mg                    | 321 mg  | Ph.Eur. 2.4.29/GOED |
| Other Omega-3s (as EE) <sup>4</sup>                                                                    | Report                          | 89 mg   | Ph.Eur. 2.4.29/GOED |
| Additional Omega-3s <sup>5</sup> (as EE) <sup>4</sup>                                                  | Report                          | 122 mg  | Ph.Eur. 2.4.29/GOED |
| Total Omega-3s (as EE) <sup>4</sup>                                                                    | 750 - 850 mg                    | 812 mg  | Ph.Eur. 2.4.29/GOED |

| Shell             | Manufacturing Spec.               | Result   | Methods |
|-------------------|-----------------------------------|----------|---------|
| Shell Ingredients | Gelatin, Glycerin, Purified Water | Conforms | Input   |
| Shell Hardness    | Regular                           | Conforms | Input   |
| Flavor Coated     | NO                                | Conforms | Input   |

- <sup>1</sup> Analysis performed on fish oil before the addition of other ingredients.
- <sup>2</sup> Toxicity Equivalents according to WHO
- <sup>3</sup> **Additives:** A proprietary natural antioxidant blend consisting of Rosemary Extract, Ascorbyl Palmitate and Natural Tocopherols has been added, as has proprietary natural lemon flavoring.
- <sup>4</sup> Measured as Ethyl Esters. 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.
- <sup>5</sup> Additional Omega-3s include EPA and DHA above minimum specification as well as Other Omega-3s from line above.



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Lisa O'Sullivan  
February 15, 2011



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Ruth Harrison