

**MULTIPOINT SYSTEM**  
**GroFish Quality Control for Increased Aquaculture Production**

| <b><u>WATER PARAMETERS</u></b> |                    |                   |
|--------------------------------|--------------------|-------------------|
|                                | Freshwater Systems | Saltwater Systems |
| pH                             | 7.0                | 8.0               |
| Ammonia (NH3)                  | < 0.25             | < 0.25            |
| Nitrite (NO2)                  | < 0.25             | < 0.25            |
| Nitrate (NO3)                  | < 25ppm            | < 25ppm           |
| Alkalinity                     | 200+               | 200+              |
| Dissolved Oxygen               | 8-11 mg/L          | 8-11 mg/L         |

| <b><u>QUALITY CONTROL PARAMETERS</u></b>                                   |  |
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| Antibiotics  | Measurable to below minimal standards                          |
| Organics   | Measurable to below minimal standards                          |
| Feed Mill  | Reduced use of fish meal and fish oils in fish feed            |
| Controls in mineral packet (sulfur) plus amino acid packet (feed additive) | Sulfur plus feed additive                                      |
| Reduced percentage of protein  | i.e. from 38% to 32%   |
| Traceability/Measurement Program   | Process Control Program and Measurement of chemistries program |

| <b><u>COMMUNICATION PATHWAY</u></b>  |
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| <ul style="list-style-type: none"> <li>➤ Must send information on a regular basis</li> <li>➤ Third party evaluation</li> <li>➤ Use of photos/video for verification</li> <li>➤ Lot traceability</li> <li>➤ Consumer education program</li> </ul> |

| <b><u>PROCESSING FACILITY PARAMETERS</u></b>   |
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| <ul style="list-style-type: none"> <li>➤ Antiseptic handling production</li> <li>➤ Cool storage/handling preparation</li> <li>➤ Best practices for human resources</li> <li>➤ Local support</li> <li>➤ Effluent control from processing facility</li> <li>➤ Waste recycling program</li> </ul> |