



DET NORSKE VERITAS

CONFORMANCE LETTER

To whom it may concern

We confirm that it has carried out the assessment of Fish Feed Dependency Ratio (FFDR) for fish oil and fish meal and culture density to:

EMPRESAS AQUACHILE S.A.
FARM ABTAO, CAGE 103 and 109 , CODE LOT: SI12ATOAGNV(DA)
Cardonal S/N, Lote B, Puerto Montt, Region de los Lagos, Chile

The results of the evaluation carried out on March, 31th & April, 02nd .2014 are as follows:

GROUP

FFDR Fish Oil: **0,81**

FFDR Fish Meal: **0,97**

Growth density: **12,0 kg/m3**

Net cage 103

FFDR Fish Oil: **0,80**

FFDR Fish Meal: **0,97**

Net cage 109

FFDR Fish Oil: **0,83**

FFDR Fish Meal: **0,96**

Further details are provided overleaf

*The evaluation has been performed
under the supervision of*

Roberto Bravo Maturana
Lead assessor DNV

*Place and date
Puerto Montt – Chile , June 13th, 2014*

Jorge Rios Alveal
Technical Coordinator DNV

**CONFORMANCE LETTER
FISH FEED DEPENDANCY RATIO FOR
FISH MEAL / FISH OIL AND GROWTH DENSITY
FOR EMPRESAS AQUACHILE S.A.,
ABTAO FARM, NET CAGE N° 103 and 109**



Introduction

DNV Business Assurance (hereafter 'DNV') has carried out an independent assessment of the Fish Feed Dependency Ratio for fishmeal and fish oil in feed to grow *Salmo salar* (according to second draft standards for responsible salmon aquaculture from World Wildlife Fund - WWF), from production site Abtao, cage number 103 and 109, as well as the density which the salmon are reared (maximum density).

Scope

This assessment has been requested by Empresas AquaChile S.A. to evaluate their Feed Fish Dependency Ratio regarding fishmeal and fish oil from forage fisheries in feed manufactured by Biomar to demonstrate that 1 kg or less from forage fisheries can produce 1 kg of salmon across special feedstuff.

Approach

The assessment was carried out on March 31th & April 02nd, 2014, by independent lead assessor from DNV. The feed consumed by fishes has been evidenced across Fishtalk production software and dispatch guides, lot numbers were evidenced too.

The information obtained from Fishtalk software related to total amount of harvest, mortalities, harvested fishes sent to the PHU and report supplied by the PMU when harvested fishes were inputted into the PHU, of cages 103 and 109, were checked out and concerning current growing period.

In the visit carried out in the manufacturing feed company Biomar, were correlated the batch numbers of each feed batch consumed in the farm and their composition according fishmeal and fish oil. Traceability exercises were carried out against feed batches supplied to Abtao, precisely to cages 103 and 109, concerning raw materials (fish meal and fish oil incorporated in every single batch supplied).

All information analyzed and verified allowed the Lead Assessor to obtain final amount of fishmeal and fish oil consumed by the cages 103 and 109 & total group in Sea Farm Abtao.

To determine the growth density, were evidenced daily biomass (obtained from production software Fishtalk) and nets incoming waybills where was possible to evidence square cages' sizes: 30 meters wide and 15 meters deep.

Conclusions

According to the information and data delivered to DNV, has been possible to conclude that:

- At the moment of assessment the net cages number 103 and 109, from Abtao Farm belonging to company Empresas AquaChile S.A. obtained the results appeared in this conformance letter.
- The data delivered for the company were obtained from the production software Fishtalk, long through the productive cycle since stocking until harvesting; as well reports supplied by the Product Handling Unit (PHU), once the incoming raw material were quantified.

Statement of Independence

DNV states its independence and impartiality with regard to this assessment. DNV did not provide any services to Empresas AquaChile S.A or Biomar that could affect the accuracy, completeness or balance of the results showed in this conformance letter.