| | |
|---|---|
| **Report title** | **GHG Emission Report, v1.1** |
| **Indicator** | **1.21.4** |

**Instructions**

*This template is intended for reporting greenhouse gas emissions results to ASC. The Feed Standard does not prescribe a specific standard or set of methods for generating GHG values. However, suppliers should be aware that the development of the Farm Standard requirements may necessitate the application of specific methods for feed emissions in the future.*

*Emissions can be reported in either or both columns using a biophysical or economic allocation approach. Emissions results must be provided according to scope (1-3) as well as by input/activity, being general feed ingredient categories and additional transport and milling emissions that aren't otherwise captured within ingredients. 'Transport and milling' emissions should be at least equal to the sum of scope 1 and scope 2 emissions. If possible, emissions should also be broken down by category (fossil, biogenic, or land use change), facilitated by certain databases and assessment methods. Any uncategorized emissions should be reported as 'Unspecified emissions' (If feed suppliers are unable to determine emissions by category, the total of all emissions can be reported as unspecified).*

*This template is also expected to reflect the resolution of data that feed suppliers will need to provide to farms to satisfy feed-related emissions modeling for the Farm Standard. Feed suppliers should be ready to adjust the composition of ingredients used in calculations to reflect typical compositions of feeds relevant to each producer, whether that is on a producer-level or a general species-level (e.g. average ASC-compliant salmon feed composition), so that relevant emissions estimates are available to aquaculture producers for their own calculations.*
***Only enter data in blue cells.***

**Table 1. Production year**

| | |
|---|---|
| Year of production (yyyy) | 2024 |

**Table 2. GHG emissions by scope**

| | GHG emissions per tonne of ASC compliant feed (kg $CO_2$-eq/t) | |
|---|---|---|
| **Emissions scope** | **Biophysical (mass) model** | **Economic model** |
| Scope 1 | | 12,6 |
| Scope 2 | | 0 |
| Scope 3 | | 1946,2 |
| **Total** | 0 | 1958,8 |

**Table 3. GHG emissions by category**

| **Emissions category** | **Biophysical (mass) model** | **Economic model** |
|---|---|---|
| Fossil emissions | | 1148,8 |
| Biogenic emissions | | 136,4 |
| Land use change emissions | | 673,6 |
| Unspecified emissions | | |
| **Total** | 0 | 1958,8 |

**Table 4. GHG emission by Input / Activity**

| **Input / Activity** | **Quantity (kg/t)** | **Biophysical (mass) model** | **Economic model** |
|---|---|---|---|
| Soy crop inputs | 187,8 | | 698,9 |
| Other crop inputs | 380,9 | | 530,2 |
| Reduction fishery inputs | 118,7 | | 115,3 |
| Fishery by-product inputs | 44,1 | | 96,5 |
| Poultry / livestock inputs | 206 | | 403,5 |
| Other feed inputs | 62,5 | | 59,5 |
| Transport and milling | | | 54,9 |
| **Total** | 1000 | 0 | 1958,8 |

**Notes**

All emissions values must be reported in units of kg $CO_2$-equivalent per tonne of ASC compliant feed.

Emissions totals for each section should be equivalent.

Total feed input quantity (kg/t) must equal 1000. Use 'Other feed inputs' to make up any difference from 1000 kg. 'Other feed inputs' should also include vitamins, amino acids, and other microingredients.

Transport-related emissions may be difficult to separate from ingredient production and processing emissions, depending on the data source used. Do not include any transport emissions in 'Transport and milling' that are already counted in the emissions of one of the ingredient groups.

| VITAPRO | **INGREDIENTS LIST 2024** |
|---|---|

| Ingredients | Origin / Country |
|---|---|
| Fish Meal | Argentina, Brazil, Chile |
| Fish Oil | Argentina, Brazil, Chile, China, Peru |
| Canola Vegetable Oil | Chile, Paraguay, Uruguay |
| Corn Gluten | United States, Chile |
| Soybean Meal | Argentina |
| Soy protein concentrate | Brazil |
| Rapeseed | Chile |
| Wheat and Wheat by Products | Chile, Argentina, Belgium, China, United States |
| Sunflower Meal | Bolivia |
| Soybean Lecithin | Argentina, Brazil |
| Poultry Meal / Blood Meal / Feather Meal | Argentina, Chile, Brazil, United States, France, United Kingdom, Spain |
| Pork Meal, Pork Hemoglobin | Germany, Argentina, Poland, United Kingdom |

**Report title** **Due Diligence Pathways and Low Risk Plant Ingredients Report, v1.0**
**Indicators** **2.2.10 and 5.1.12**

**Instructions**

*This template is intended for reporting both a) outcomes of the Due Diligences carried out under Principle 2 and the respective pathways to ASC, and b) an overview of plant ingredients determined to be low risk under Principle 5 and the respective pathways chosen. Reporting is at a UoC level and on an annual basis.*
*The UoC should select the type of assessment (whether ingredient manufacturer or plant/marine primary raw material), noting that 'plant primary raw material 5.1.5' refers to the additional due diligence assessment required under Principle 5 for legal deforestion/conversion.*
*The UoC enters the date the assessment was conducted.*
*The UoC selects the primary raw material assessed (if applicable). If primary raw material is not lised, the UoC enters the common name and latin name.*
*The UoC selects the country of location (ingredient manufacturer) or production (plant primary raw material). For marine primary raw material, the country of the flag state is used (as per pathway 1 Country Score Card), unless pathway 2/3/4 are chosen in which case 'Fishery' is selected as the Country of location.*
*The UoC selects which pathway was chosen to demonstrate low risk for each risk factor (legal, social and environmental). For plant primary raw material 5.1.5 assessments, only the environmental risk factor applies.*
*A new row should be added for each assessment.*
***Only enter data in the blue cells.***

**Table 1. Total number of assessments**

| Type of Assessment | Pathway 1 | Pathway 2 | Pathway 3 | Pathway 4 | Total |
|---|---|---|---|---|---|
| Ingredient Manufacturer (2.2.5) | 6 | 0 | 0 | 3 | 9 |
| Marine Primary Raw Material (2.2.6) | 0 | 0 | 0 | 0 | 0 |
| Plant Primary Raw Material (2.2.6) | 9 | 0 | 0 | 0 | 9 |

**Table 2. Outcomes due diligence pathways and low risk plant ingredients report**

| Type of Assessment | Date of Due Diligence Assessment (yyyy-mm-dd) | Primary Raw Material "common name (latin name)" | Country of location/production (select 'Fishery' if not using Pathway 1 for Marine) | Pathway chosen to demonstrate Low Risk for Legal risk | Pathway chosen to demonstrate Low Risk for Social risk | Pathway chosen to demonstrate Low Risk for Environmental risk |
|---|---|---|---|---|---|---|
| Plant Primary Raw Material (2.2.6) | 2024-12-31 | Brassica napus | Chile | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card |
| Plant Primary Raw Material (2.2.6) | 2024-12-31 | Zea Mais L | United States | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card |
| Plant Primary Raw Material (2.2.6) | 2024-12-31 | Triticium | Chile | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card |
| Plant Primary Raw Material (2.2.6) | 2024-12-31 | Triticium | United States | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card |
| Ingredient Manufacturer (2.2.5) | 2024-12-31 | n.a. | Brazil | Pathway 4 - Certification | Pathway 4 - Certification | Pathway 4 - Certification |
| Ingredient Manufacturer (2.2.5) | 2024-12-31 | n.a. | Spain | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card |
| Ingredient Manufacturer (2.2.5) | 2024-12-31 | n.a. | United Kingdom | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card | Pathway 1 - Country Score Card |

| | |
|---|---|
| **Report title** | **Volume of Marine Ingredients and MSL Report, v1.0** |
| **Indicators** | **4.1.5 and 4.1.6** |
| **Instructions** | *This template is intended for reporting UoC volume of marine ingredients used and majority sustainability level (MSL) to ASC.*<br>*For initial audits, the calculation period is the 24 months prior to the initial audit. After initial certification, the calculation period is per calendar year (January to December).*<br>*Indicate the volume of whole fish and by-products in metric tonnes, used in aquafeed.*<br>*Indicate the volume of whole fish scoring at each category in aquafeed. Note that there may be whole-fish which does not score at any Category.*<br>*The MSL is then calculated.*<br>***Only enter data in blue cells.*** |

**Table 1. Volume of whole fish, by-products and whole fish by category**

| | Volume (metric tonnes) | |
|---|---|---|
| All marine | 20704 | |
| By-products | 17465 | Provide the volume of fishery by-products in aquafeed (metric tonne) |
| Whole fish | 3239 | Provide the volume of whole fish in aquafeed (metric tonne) |
| Category 1 | 0 | Provide the volume of Category 1 whole fish included in aquafeed (metric tonne) |
| Category 2 | 18647 | Provide the volume of Category 2 whole fish included in aquafeed (metric tonne) |
| Category 3 | 745 | Provide the volume of Category 3 whole fish included in aquafeed (metric tonne) |
| Category 4 | 1064 | Provide the volume of Category 4 whole fish included in aquafeed (metric tonne) |

**Table 2. Percentage of whole fish marine ingredients per category**

| **Category** | Percentage (%) | |
|---|---|---|
| Category 1 | 0 | This is the percentage of whole fish marine ingredients in Category 1 |
| Category 2 | 576 | This is the percentage of whole fish marine ingredients in Category 2 |
| Category 3 | 23 | This is the percentage of whole fish marine ingredients in Category 3 |
| Category 4 | 33 | This is the percentage of whole fish marine ingredients in Category 4 |

| | |
|---|---|
| **Majority Sustainability Level** | Level 3 |