| Contaminant  | Product  | Rejection<br>limit | •    | Likely<br>occurence | ССР | Control measure  | Sampling<br>Plan | Required Sampling frequency (number of samples pr. year) | Number of<br>samples<br>analyzed in<br>2017 | Lowest value of samples in 2017 | Average value of samples in 2017 | Highest value<br>of samples in<br>2017 | Evaluation |
|--|----------|--------------------|------|---------------------|-----|------------------|------------------|--|---|---------------------------------|----------------------------------|--|------------|
| Aldrin and dieldrin (sum)  | Fishmeal | 0.01 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | 0,002                            | 0,002                                  | OK         |
|  | Fish Oil | 0.1 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | 0,014                            | 0,026                                  | ОК         |
| Camphechlor (toxaphene) Sum of CHB 26, 50, 62                          | Fishmeal | 0.02 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.2 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 44  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Chlordane  | Fishmeal | 0.02 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.05 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | 0,011                            | 0,011                                  | ОК         |
| DDT (sum of DDT-, DDD- (or<br>TDE-) and DDE-isomers, expressed as DDT) | Fishmeal | 0.05 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | 0,004                            | 0,011                                  | ОК         |
|  | Fish Oil | 0.5 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | 0,045                            | 0,110                                  | ОК         |
| Endosulfan (sum of alfa, beta-somers and sulphate)                     | Fishmeal | 0.1 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.1 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | n.d.                             | n.d.                                   | OK         |
| Endrin   | Fishmeal | 0.01 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.05 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Heptachlor   | Fishmeal | 0.01 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.2 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| HCB: Hexachlorbenzene  | Fishmeal | 0.01 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.2 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | 0,014                            | 0,026                                  | ОК         |
| HCH: Alfa-isomer   | Fishmeal | 0.02 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.2 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| HCH: Beta-isomer   | Fishmeal | 0.01 mg/kg         | high | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|  | Fish Oil | 0.1 mg/kg          | high | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | n.d.                             | n.d.                                   | ОК         |

| Contaminant         | Product  | Rejection<br>limit | •      | Likely<br>occurence | ССР | Control measure  | Sampling<br>Plan | Required Sampling frequency (number of samples pr. year) | Number of<br>samples<br>analyzed in<br>2017 | Lowest value of samples in 2017 | Average value of samples in 2017 | Highest value<br>of samples in<br>2017 | Evaluation |
|---------------------|----------|--------------------|--------|---------------------|-----|------------------|------------------|--|---|---------------------------------|----------------------------------|--|------------|
| HCH: Gamma-isomer   | Fishmeal | 0.2 mg/kg          | high   | low                 |     | Periodic testing | Yearly           | 14   | 39  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|                     | Fish Oil | 2.0 mg/kg          | high   | low                 |     | Periodic testing | Yearly           | 7  | 45  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Arsenic (As)        | Fishmeal | 25 mg/kg           | high   | low                 |     | Periodic testing | Yearly           | 14   | 88  | 1,70                            | 5,78                             | 19,00                                  | ОК         |
|                     | Fish Oil | 25 mg/kg           | high   | low                 |     | Periodic testing | Yearly           | 7  | 10  | 5,50                            | 6,78                             | 8,30                                   | ОК         |
| Cadmium (Cd)        | Fishmeal | 2.0 mg/kg          | high   | low                 |     | Periodic testing | Yearly           | 14   | 63  | 0,084                           | 0,650                            | 1,50                                   | ОК         |
|                     | Fish Oil | 2.0 mg/kg          | high   | extra low           |     | Periodic testing | Yearly           | 1  | 3   | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Mercury (Hg)        | Fishmeal | 0.5 mg/kg          | high   | low                 |     | Periodic testing | Yearly           | 14   | 69  | n.d.                            | 0,052                            | 0,150                                  | ОК         |
|                     | Fish Oil | 0.5 mg/kg          | high   | extra low           |     | Periodic testing | Yearly           | 1  | 3   | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Lead (Pb)           | Fishmeal | 10 mg/kg           | high   | low                 |     | Periodic testing | Yearly           | 14   | 64  | n.d.                            | 0,314                            | 1,20                                   | ОК         |
|                     | Fish Oil | 10 mg/kg           | high   | extra low           |     | Periodic testing | Yearly           | 1  | 3   | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Chromium (Cr)       | Fishmeal | n.a.               | Medium | extra low           |     | Periodic testing | Yearly           | 1  | 26  | 0,20                            | 1,08                             | 2,40                                   | ОК         |
|                     | Fish Oil | n.a.               | Medium | extra low           |     | Periodic testing | Yearly           | 1  | 3   | n.d.                            | n.d.                             | n.d.                                   | ОК         |
| Fluorine/Fluoride   | Fishmeal | 500 mg/kg          | Medium | extra low           |     | Periodic testing | Yearly           | 1  | 9   | 200                             | 236                              | 260                                    | ОК         |
|                     | Fish Oil | 500 mg/kg          | Medium | n.a.                |     | Periodic testing | Yearly           | 0  | 0   | n.a.                            | n.a.                             | n.a.                                   | n.a.       |
| Nitrites (as NaNO2) | Fishmeal | 30 mg/kg           | Medium | extra low           |     | Periodic testing | Yearly           | 1  | 3   | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|                     | Fish Oil | 15 mg/kg           | Medium | n.a.                |     | Periodic testing | Yearly           | 0  | 0   | n.a.                            | n.a.                             | n.a.                                   | n.a.       |
| Melamine            | Fishmeal | 2.5 mg/kg          | high   | extra low           |     | Periodic testing | Yearly           | 2  | 27  | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|                     | Fish Oil | 2.5 mg/kg          | high   | n.a.                |     | Periodic testing | Yearly           | 0  | 0   | n.a.                            | n.a.                             | n.a.                                   | n.a.       |
| Aflatoxin B1        | Fishmeal | 0.02 mg/kg         | high   | extra low           |     | Periodic testing | Yearly           | 2  | 2   | n.d.                            | n.d.                             | n.d.                                   | ОК         |
|                     | Fish Oil | n.a.               |        |                     |     | Periodic testing | Yearly           | 0  | 0   | n.a.                            | n.a.                             | n.a.                                   | n.a.       |

| F   | Fishmeal Fish Oil Fishmeal | 1.25 ng/kg<br>5,0 ng/kg | high   |           |     |                          |                  | (number of samples pr. year) | 2017 |       |       | 2017  |      |
|---|----------------------------|-------------------------|--------|-----------|-----|--------------------------|------------------|------------------------------|------|-------|-------|-------|------|
|   |                            | 5,0 ng/kg               |        | high      | ССР | Continuous<br>monitoring | Positive release | Every batch                  | 2157 | 0,149 | 0,501 | 1,20  | ОК   |
| Dioxinlike PCBs F                                 | Fishmeal                   | - 0                     | high   | high      | ССР | Continuous<br>monitoring | Positive release | Every batch                  | 496  | 0,239 | 2,09  | 4,35  | ОК   |
|   |                            | 2.75 ng/kg              | high   | Medium    |     | Periodic testing         | Yearly           | 41                           | 61   | 0,196 | 0,600 | 1,52  | ОК   |
| F   | Fish Oil                   | 15 ng/kg                | high   | Medium    |     | Periodic testing         | Yearly           | 22                           | 57   | 0,663 | 3,58  | 7,32  | ОК   |
| Non-dioxinlike PCBs                               | Fishmeal                   | 30 ug/kg                | high   | Medium    |     | Periodic testing         | Yearly           | 41                           | 61   | 1,230 | 5,29  | 13,3  | ОК   |
| F   | Fish Oil                   | 175 ug/kg               | high   | Medium    |     | Periodic testing         | Yearly           | 22                           | 57   | 1,770 | 27,50 | 84,2  | ОК   |
| PAH-4 (sum of benzo(a)pyrene, penzo(a)anthracene. | Fishmeal                   | n.a.                    |        |           |     | Periodic testing         | Yearly           | 0                            | 0    | n.a.  | n.a.  | n.a.  | n.a. |
|   | Fish Oil                   | 200 ug/kg               | high   | extra low |     | Periodic testing         | Yearly           | 1                            | 7    | n.d.  | n.d.  | n.d.  | ОК   |
| DNA, animal/ruminat components                    | Fishmeal                   | Not present             | high   | low       |     | Periodic testing         | Yearly           | 14                           | 67   | n.d.  | n.d.  | n.d.  | ОК   |
| F   | Fish Oil                   | n.a.                    |        |           |     | Periodic testing         | Yearly           | 0                            | 0    | n.a.  | n.a.  | n.a.  | n.a. |
| Enterobacteriaceae F                              | Fishmeal                   | 300 cfu/g               | high   | high      | ССР | Continuous<br>monitoring | Positive release | Every batch                  | 2157 | n.d.  | n.d.  | 300   | ОК   |
| F   | Fish Oil                   | n.a.                    |        |           |     |                          |                  | 0                            | 0    | n.a.  | n.a.  | n.a.  | n.a. |
| Salmonella F                                      | Fishmeal                   | 0                       | high   | high      | ССР | Continuous<br>monitoring | Positive release | Every batch                  | 2157 | n.d.  | n.d.  | n.d.  | ОК   |
| F   | Fish Oil                   | n.a.                    |        |           |     |                          |                  | 0                            | 0    | n.a.  | n.a.  | n.a.  | n.a. |
| Moulds F  | Fishmeal                   | 10.000 cfu/g            | Medium | low       |     | Periodic testing         | Yearly           | 8                            | 27   | n.d.  | 135   | 1.500 | ОК   |
| F   | Fish Oil                   | n.a.                    |        |           |     |                          |                  | 0                            | 0    | n.a.  | n.a.  | n.a.  | n.a. |
| Clostridium, Botulinum toxin and Perfingens       | Fishmeal                   | Not present             | Low    | Low       |     | Periodic testing         | Yearly           | 1                            | 3    | n.d.  | n.d.  | n.d.  | OK   |
| F   | Fish Oil                   | n.a.                    |        |           |     |                          |                  |                              | 0    | n.a.  | n.a.  | n.a.  | n.a. |
| Sum of Cs-134 and Cs-137 Isotopes                 | Fishmeal                   | 40 Bq/kg                | high   | extra low |     | Periodic testing         | Yearly           | 2                            | 2    | n.d.  | n.d.  | 11    | OK   |
| F   | Fish Oil                   | n.a.                    |        |           |     |                          |                  | 0                            | 0    | n.a.  | n.a.  | n.a.  | n.a. |

n.a. = not applicable

n.d. = not detected