

Our **PERFECT HEALTH STATUS** is assuring authorities and customers to safely import Til-Aqua International genetics!



*Ictyopharma is a European-based Contract Research Organisation (CRO) specializing in aquatic animal health. During the past 2 years, 19 batches of Til-Aqua International fish were tested and **all were found negative** for diseases as *S. agalactiae*, *S. iniae*, *F. asiatica* and TiLV. Since September 2018 the fish are also checked for -and **proven to be free off-** *Edwardsiella ictaluri* and *Edwardsiella piscicida*. Recently also on *L. garviae* and ISKNV have been added to the diseases which are checked for.*

| TEST | 24-08-17 | 05-10-17 | 09-11-17 | 14-12-17 | 18-01-18 | 02-03-18 | 12-04-18 | 24-05-18 | 05-07-18 | 09-08-18 | 13-09-18 | 18-10-18 | 29-11-18 | 10-01-19 | 14-02-19 | 28-03-19 | 25-04-19 | 06-06-19 | 11-07-19 | 16-08-19 | 19-09-19 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Parasite check upon arrival | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| General health (behavior, growth) | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good | Good |
| General external check | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions |
| General internal check | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions | No lesions |
| Bacteriology plating | | | | | | | | | | | | | | | | | | | | | |
| - <i>S. agalactiae</i> | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>S. iniae</i> | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>F. noentunensis subsp orientalis</i> | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>Edwardsiella ictaluri</i> | | | | | | | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>Edwardsiella piscicida</i> | | | | | | | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>L. garviae</i> | | | | | | | | | | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| PCR analysis internal organs | | | | | | | | | | | | | | | | | | | | | |
| - <i>S. agalactiae</i> | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>S. iniae</i> | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>F. asiatica</i> | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>Edwardsiella ictaluri</i> | | | | | | | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>Edwardsiella piscicida</i> | | | | | | | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - <i>Tilapia Lake Virus (TiLV)</i> | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |
| - ISKNV | | | | | | | | | | | | | | Negative | Negative | Negative | Negative | Negative | Negative | Negative | Negative |



*Wageningen Bioveterinary Research - Lelystad, part of Wageningen University & Research is an internationally renown knowledge institute in animal health. Moreover, for The Netherlands it is the official **National Reference Laboratory**.*

Since 2012 (latest 01/2020), **Wageningen Bioveterinary Research - Lelystad** has tested Til-Aqua International fish for the following diseases:

ALL FISH WERE TESTED NEGATIVE FOR ALL MENTIONED ISSUES.

Bacterial infections:

- **Flavobacterium columnare**
- **Streptococcus spp.**

Viruses:

- **EHNV**
- **IHNV**
- **SVCV**
- **VHSV**
- **OMV (HS-2)**

Further details and full reports can be found at the [Til-Aqua International website](#) or to be supplied and explained upon request.

Our **PERFECT HEALTH STATUS** is assuring authorities and customers to safely import Til-Aqua International genetics!



*Ictyopharma is a European-based Contract Research Organisation (CRO) specializing in aquatic animal health. During the past 2 years, 19 batches of Til-Aqua International fish were tested and **all were found negative** for diseases as *S. agalactiae*, *S. iniae*, *F. asiatica* and TiLV. Since September 2018 the fish are also checked for -and **proven to be free off**- *Edwardsiella ictaluri* and *Edwardsiella piscicida*. Recently also on *L. garviae* and ISKNV have been added to the diseases which are checked for.*

| TEST | 24-10-19 | 28-11-19 | | | | | | | | | | | | | | | | | |
|---|------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Parasite check upon arrival | None | None | | | | | | | | | | | | | | | | | |
| General health (behavior, growth) | Good | Good | | | | | | | | | | | | | | | | | |
| General external check | No lesions | No lesions | | | | | | | | | | | | | | | | | |
| General internal check | No lesions | No lesions | | | | | | | | | | | | | | | | | |
| Bacteriology plating | | | | | | | | | | | | | | | | | | | |
| - <i>S. agalactiae</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>S. iniae</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>F. noentunensis subsp orientalis</i> | | | | | | | | | | | | | | | | | | | |
| - <i>Edwardsiella ictaluri</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>Edwardsiella piscicida</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>L. garviae</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| PCR analysis internal organs | | | | | | | | | | | | | | | | | | | |
| - <i>S. agalactiae</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>S. iniae</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>F. asiatica</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>Edwardsiella ictaluri</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>Edwardsiella piscicida</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - <i>Tilapia Lake Virus (TiLV)</i> | Negative | Negative | | | | | | | | | | | | | | | | | |
| - ISKNV | Negative | Negative | | | | | | | | | | | | | | | | | |



*Wageningen Bioveterinary Research - Lelystad, part of Wageningen University & Research is an internationally renown knowledge institute in animal health. Moreover, for The Netherlands it is the official **National Reference Laboratory**.*

Since 2012 (latest 01/2020), **Wageningen Bioveterinary Research - Lelystad** has tested Til-Aqua International fish for the following diseases:

ALL FISH WERE TESTED NEGATIVE FOR ALL MENTIONED ISSUES.

Bacterial infections:

- **Flavobacterium columnare**
- **Streptococcus spp.**

Viruses:

- EHNV
- IHNV
- VHSV
- SVCV
- OMV (HS-2)

Further details and full reports can be found at the [Til-Aqua International website](#) or to be supplied and explained upon request.