Tentative Translation

JAS 0005

JAPANESE AGRICULTURAL STANDARD

Aquaculture products by artificial seedling production techniques

2018 – 12 – 28

Ministry of Agriculture, Forestry and Fisheries

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Incorporated Administrative Agency

Food and Agricultural Materials Inspection Center

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Aquaculture products by artificial seedling production techniques

1 Scope

This document specifies requirements for aquaculture products by artificial seedling production techniques to achieve sustainable fishery products supply.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

aquaculture product by artificial seedling production techniques

artificial seedling **(2.2)**, farmed fish **(2.3)** and processed product **(2.4)**

2.2

artificial seedling

fertilized eggs obtained from selected farmed or wild parent fish by spontaneous spawning, induced spawning or artificial insemination, or larvae and juveniles hatched from the fertilized eggs

2.3

farmed fish

fish farmed from artificial seedlings **(2.2)**

2.4

processed product

product processed farmed fish **(2.3)** (limited to fillets or seasoned fillets)

2.5

production information

a series of history related to feeding, medication, transfer and other production process from hatching to the time required for disclosure

2.6

production lot

unit for recognizing aquaculture products by artificial seedling production techniques **(2.1)** linked with production information **(2.5)**

2.7

feed

formula feed used in order to provide nutrition to fish

2.8

live prey

small mass caught fishes used for feed (including refrigerated or frozen fish)

2.9

feed organisms

feed organisms used for feed primarily during the initial farming / larviculture stage (including refrigerated, frozen or dried organisms)

2.10

feed etc.

feed **(2.7)**, feed additives, live prey **(2.8)**, feed organisms **(2.9)** and veterinary drugs

2.11

hygienic vermin

rodents, birds, and other wild animals that are recognized as vermin and pests

2.12

missing fish for unknown reasons

fish that have disappeared from aquaculture facilities during farming with unknown reason

Note: Excluding mortalities, escaped, stolen and other disappeared fish with obvious reasons

3 Requirement

3.1 General

Production information of each production lot shall be fully traceable in order to prove that farmed fish and processed products are from artificial seedlings. Moreover, in response to external requests, production information and proof of artificial seedlings specified in 3.2 shall be available regardless of whether during farming / processing or after shipment.

Note: “Available” includes a state in which traceable production information not under management can be provided.

3.2 Keeping proof of artificial seedlings

3.2.1 To prove that farmed fish or processed products derived from artificial seedlings, tissue samples or whole fish satisfying one of the followings shall be stored frozen so that they can be used for DNA analyses for at least 5 years from the shipment of the products:

a) tissue samples (> 1 g) such as fin clip sample, from all parent fish used in artificial seedling production;

b) samples of whole fish derived from the artificial seedling group in case tissue samples from parent fish are

difficult to obtain (sample size are in accordance with the number of parent fish but shall be sufficient to prove that they are artificial seedlings).

3.2.2 Stored tissue samples or whole fish samples shall be associated with production information.

3.3 Management of feed etc.

In order for sustainable aquaculture, the amount of feed etc. used for the farming shall be minimized and they shall be stored appropriately. Moreover, the management records shall be available regardless of whether it is during farming or after shipment.

Note: Management of feed etc. to achieve sustainable aquaculture also includes maintaining appropriate feeding volume not to affect the surrounding environment, reducing use of veterinary antibiotics to prevent appearance of drug resistance strain, and preventing damages by pollution, deterioration and hygienic vermin.

3.4 Management of escape and invasion during farming

Appropriate measures shall be taken to prevent artificial seedlings or farmed fish from escaping (including outflow of the fertilized eggs) and wild fish from getting into aquaculture facilities. However, in the case where it is difficult to prevent escape or invasion of fish, the number of escaped or invaded fish shall be seized. In such a case, the number of missing fish for unknown reasons shall be considered as being escaped.

3.5 Segment management in farming and processing

Artificial seedlings, farmed fish or processed products shall be distinguished and managed separately from other production lots or products other than artificial seedlings, farmed fish or processed products since the beginning of management until shipment.