

FINISHED FEED PRODUCT STANDARD (Feedforfish - GD26)

1. Scope and applicable subjects:

This standard specifies the quality and veterinary hygiene and safety requirements for GD 26 pelleted compound feed; manufactured by Go Dang Joint Stock Company - Vinh Long Branch; formulated from various raw materials to ensure adequate nutrients; and used for nursery and grow-out farming of commercial pangasius.

2. Technical requirements:

2.1. The sensory criteria for pangasius pelleted feed shall comply with the requirements specified in Table 1.

Table 1. Sensory criteria for pelleted feed

No.	Criterion	Requirement	Test method
1	Appearance	Cylindrical pellets, uniform, smooth surface; size shall comply with the product code specified in Table 2.	TCVN 1532:1993
2		Yellowish brown to brown, characteristic of the formulated raw materials.	
3	Color Odor and taste	Characteristic of the formulated raw materials; free from fermented, moldy, or other abnormal odors.	

2.2. The chemical and physical criteria for pangasius pelleted feed shall comply with the levels specified in Table 2.

Table 2. Chemical and physical criteria for pelleted feed

No.	Criterion	Unit	Quality level	Test method
1	Pellet size - diameter	mm	<8	Measured with a caliper
	Pellet length-to-diameter ratio	times	1.0-1.5	
2	Broken/fines rate (not more than)	%	2	Sieve
3	Water stability (not less than)	min	30	In water
4	Moisture (not more than)	%	11	TCVN 4326:2001
5	Gross energy (not less than)	Kcal/kg	2100	According to current regulations of MARD
6	Crude protein (not less than)	%	26	TCVN 4328-1:2007
7	Crude lipid (not less than)	%	5	TCVN 4331:2001
8	Crude ash (not more than)	%	11	TCVN 4327:2007
9	Crude fiber (not more than)	%	7	TCVN 4329:2007
10	Calcium (not more than)	%	2	TCVN 1526-1:2007
11	Phosphorus (not less than)	%	1	TCVN 1525:2001
12	Sand and gravel (not more than)	%	2	TCVN 4327:1993
13	Lysine (not less than)	%	1.1	TCVN 5281:2007
14	Cystine (not less than)	%	0.1	TCVN 8764:2012
15	Ethoxyquin (not more than)	%	1	LC/MS/MS
16	Carbon	%	40-45.5	Ref. ISO 16948:2015
17	Nitrogen	%	4.62	ISO 5983-2:2009

2.3. The microbiological and veterinary hygiene and safety criteria for pangasius pelleted feed shall comply with the requirements in Table 3.

Table 3. Microbiological and veterinary hygiene and safety criteria for pelleted feed

No.	Criterion	Requirement	Test method
1	Live insects	Not permitted	TCVN 1540:1986
2	Pathogenic bacteria (Salmonella)	Not permitted	TCVN 4829:2005
3	Toxigenic mold (Aspergillus flavus)	Not permitted	TCVN 8275-1:2010
4	Hazardous substance (Aflatoxin B1)	≤ 10 ppb	TCVN 6953:2001
5	Prohibited antibiotics and chemicals	Not permitted	According to current regulations

3. Packaging: The feed shall be packed in durable, sealed PP bags, free from tears and disinfected.

4. Labeling: Labeling contents shall comply with current regulations.

5. Storage:

- Pelleted feed shall be stored in a dry, clean warehouse; 10-25 bags/pallet, 0.8 m from the wall; with adequate spacing between stacks to facilitate loading and unloading. The warehouse shall have measures to prevent insect infestation.

- Product storage time from the date of manufacture until use shall not exceed 60 days.

6. Transportation:

- Vehicles used to transport pelleted feed shall be dry and clean, protected from rain and sunlight, free from hazardous substances, and compliant with veterinary hygiene and safety requirements.

- Feed bags shall be handled gently during loading and unloading; avoid strong impacts.

7. GMO and antibiotic status:

- GMO status: Undetermined (GMO may or may not be present).
- Antibiotic status: None.

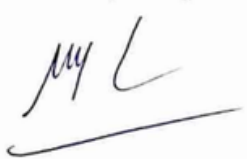
8. Fish species used to produce feed for pangasius:

- Tilapia fish by-products are used to produce feed for pangasius.

Note: This standard was revised for the second time in accordance with TCCS 02:2011.

Vinh Long, 05 July 2026

Prepared by



Nguyễn Thị Mỹ Trinh

Approved by



Huỳnh Văn Oai

Recipients: Board of Directors (Report); Vinh Long Factory; Sales Department; Quality Management Department (Original).

FINISHED FEED PRODUCT STANDARD (Feedforfish - GD28)

1. Scope and applicable subjects:

This standard specifies the quality and veterinary hygiene and safety requirements for GD 28 pelleted compound feed; manufactured by Go Dang Joint Stock Company - Vinh Long Branch; formulated from various raw materials to ensure adequate nutrients; and used for nursery and grow-out farming of commercial pangasius.

2. Technical requirements:

2.1. The sensory criteria for pangasius pelleted feed shall comply with the requirements specified in Table 1.

Table 1. Sensory criteria for pelleted feed

No.	Criterion	Requirement	Test method
1	Appearance	Cylindrical pellets, uniform, smooth surface; size shall comply with the product code specified in Table 2.	TCVN 1532:1993
2	Color	Yellowish brown to brown, characteristic of the formulated raw materials.	
3	Odor and taste	Characteristic of the formulated raw materials; free from fermented, moldy, or other abnormal odors.	

2.2. The chemical and physical criteria for pangasius pelleted feed shall comply with the levels specified in Table 2.

Table 2. Chemical and physical criteria for pelleted feed

No.	Criterion	Unit	Quality level	Test method
1	Pellet size - diameter	mm	<8	Measured with a caliper
	Pellet length-to-diameter ratio	times	1.0-1.5	
2	Broken/fines rate (not more than)	%	2	Sieve
3	Water stability (not less than)	min	30	In water
4	Moisture (not more than)	%	11	TCVN 4326:2001
5	Gross energy (not less than)	Kcal/kg	2250	According to current regulations of MARD
6	Crude protein (not less than)	%	28	TCVN 4328-1:2007
7	Crude lipid (not less than)	%	5	TCVN 4331:2001
8	Crude ash (not more than)	%	11	TCVN 4327:2007
9	Crude fiber (not more than)	%	7	TCVN 4329:2007
10	Calcium (not more than)	%	2	TCVN 1526-1:2007
11	Phosphorus (not less than)	%	1	TCVN 1525:2001
12	Sand and gravel (not more than)	%	2	TCVN 4327:1993
13	Lysine (not less than)	%	1.3	TCVN 5281:2007
14	Cystine (not less than)	%	0.1	TCVN 8764:2012
15	Ethoxyquin (not more than)	%	1	LC/MS/MS
16	Carbon	%	40-45.5	Ref. ISO 16948:2015
17	Nitrogen	%	4.62	ISO 5983-2:2009

2.3. The microbiological and veterinary hygiene and safety criteria for pangasius pelleted feed shall comply with the requirements in Table 3.

Table 3. Microbiological and veterinary hygiene and safety criteria for pelleted feed

No.	Criterion	Requirement	Test method
1	Live insects	Not permitted	TCVN 1540:1986
2	Pathogenic bacteria (Salmonella)	Not permitted	TCVN 4829:2005
3	Toxigenic mold (Aspergillus flavus)	Not permitted	TCVN 8275-1:2010
4	Hazardous substance (Aflatoxin B1)	≤ 10 ppb	TCVN 6953:2001
5	Prohibited antibiotics and chemicals	Not permitted	According to current regulations

3. Packaging: The feed shall be packed in durable, sealed PP bags, free from tears and disinfected.

4. Labeling: Labeling contents shall comply with current regulations.

5. Storage:

- Pelleted feed shall be stored in a dry, clean warehouse; 10-25 bags/pallet, 0.8 m from the wall; with adequate spacing between stacks to facilitate loading and unloading. The warehouse shall have measures to prevent insect infestation.

- Product storage time from the date of manufacture until use shall not exceed 60 days.

6. Transportation:

- Vehicles used to transport pelleted feed shall be dry and clean, protected from rain and sunlight, free from hazardous substances, and compliant with veterinary hygiene and safety requirements.

- Feed bags shall be handled gently during loading and unloading; avoid strong impacts.

7. GMO and antibiotic status:

- GMO status: Undetermined (GMO may or may not be present).
- Antibiotic status: None.

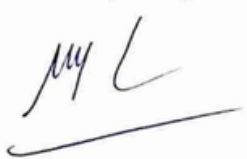
8. Fish species used to produce feed for pangasius:

- Tilapia fish by-products are used to produce feed for pangasius.

Note: This standard was revised for the second time in accordance with TCCS 03:2011.

Vinh Long, 05 July 2026

Prepared by



Nguyễn Thị Mỹ Trinh

Approved by



Huỳnh Văn Oai

Recipients: Board of Directors (Report); Vinh Long Factory; Sales Department; Quality Management Department (Original).

No.: 03/TC-VL/2022

FINISHED FEED PRODUCT STANDARD

(Feedforfish - GD30)

- 1. Scope and applicable subjects:**

This standardspecifies thequality and veterinary hygiene and safety requirements for GD 30 pelleted compound feed; manufactured by Go Dang Joint Stock Company - Vinh Long Branch; formulated from various raw materials to ensure adequate nutrients; and used for nursery and grow-out farming of commercial pangasius.
- 2. Technical requirements:**

2.1.The sensorycriteriafor pangasius pelleted feed shall comply with the requirements specified in Table 1.

Table 1. Sensory criteria for pelleted feed

No.	Criterion	Requirement	Test method
1	Appearance	Cylindrical pellets, uniform, smooth surface; size shall comply with the product code specified in Table 2.	TCVN 1532:1993
2	Color	Yellowish brown to brown, characteristic of the formulated raw materials.	
3	Odor and taste	Characteristic of the formulated raw materials; free from fermented, moldy, or other abnormal odors.	

2.2. The chemical and physical criteria for pangasius pelleted feed shall comply with the levels specified in Table 2.

Table 2. Chemical and physical criteria for pelleted feed

No.	Criterion	Unit	Quality level	Test method
1	Pellet size - diameter	mm	<4	Measured with a caliper
	Pellet length-to-diameter ratio	times	1.0-1.5	
2	Broken/fines rate (not more than)	%	2	Sieve
3	Water stability (not less than)	min	30	In water
4	Moisture (not more than)	%	11	TCVN 4326:2001
5	Gross energy (not less than)	Kcal/kg	2400	According to current regulations of MARD
6	Crude protein (not less than)	%	30	TCVN 4328-1:2007
7	Crude lipid (not less than)	%	5	TCVN 4331:2001
8	Crude ash (not more than)	%	12	TCVN 4327:2007
9	Crude fiber (not more than)	%	7	TCVN 4329:2007
10	Calcium (not more than)	%	2	TCVN 1526-1:2007
11	Phosphorus (not less than)	%	1	TCVN 1525:2001
12	Sand and gravel (not more than)	%	2	TCVN 4327:1993
13	Lysine (not less than)	%	1.5	TCVN 5281:2007
14	Cystine (not less than)	%	0.1	TCVN 5282:1990
15	Ethoxyquin (not more than)	%	1	LC/MS/MS
16	Carbon	%	40-45.5	Ref. ISO 16948:2015
17	Nitrogen	%	4.62	ISO 5983-2:2009

2.3. The microbiological and veterinary hygiene and safety criteria for pangasius pelleted feed shall comply with the requirements in Table 3.

Table 3. Microbiological and veterinary hygiene and safety criteria for pelleted feed

No.	Criterion	Requirement	Test method
1	Live insects	Not permitted	TCVN 1540:1986
2	Pathogenic bacteria (Salmonella)	Not permitted	TCVN 4829:2005
3	Toxigenic mold (Aspergillus flavus)	Not permitted	TCVN 8275-1:2010
4	Hazardous substance (Aflatoxin B1)	≤ 10 ppb	TCVN 6953:2001
5	Prohibited antibiotics and chemicals	Not permitted	According to current regulations

3. Packaging: The feed shall be packed in durable, sealed PP bags, free from tears and disinfected.

4. Labeling: Labeling contents shall comply with current regulations.

5. Storage:
 - Pelleted feed shall be stored in a dry, clean warehouse; 10-25 bags/pallet, 0.8 m from the wall; with adequate spacing between stacks to facilitate loading and unloading. The warehouse shall have measures to prevent insect infestation.
 - Product storage time from the date of manufacture until use shall not exceed 60 days.

6. Transportation:
 - Vehicles used to transport pelleted feed shall be dry and clean, protected from rain and sunlight, free from hazardous substances, and compliant with veterinary hygiene and safety requirements.
 - Feedbagsshall be handled gently during loading and unloading; avoid strong impacts.

7. GMO and antibiotic status:

- GMO status: Undetermined (GMO may or may not be present).
- Antibiotic status: None.

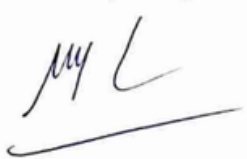
8. Fish species used to produce feed for pangasius:

- Tilapia fish by-products are used to produce feed for pangasius.

Note: This standard was revised for the second time in accordance with TCCS 04:2011.

Vinh Long, 05 July 2026

Prepared by



Nguyễn Thị Mỹ Trinh

Approved by



Huỳnh Văn Oai

Recipients: Board of Directors (Report); Vinh Long Factory; Sales Department; Quality Management Department (Original).