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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 22919.8-2024

Aquatic feeds - Part 8: Formula feed for basa catfish

水产配合饲料 第8部分：巴沙鱼配合饲料

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 8 of GB/T 22919 "Compound feed for aquatic products". GB/T 22919 has been published in the following parts.

- 1. Formulated feeds for *Penaeus monodon*;
- 2. Formulated feeds for cobia;
- 3. Formulated feeds for sea bass;
- 4. Formulated feed for red fish;
- 5. Formulated feed for *Penaeus vannamei*;
- 6. Formulated feeds for grouper;
- 7. Formulated feed for sea cucumbers;
- 8. Formulated feed for pangasius;
- 9. Formulated feeds for largemouth bass;
- 10. Formulated feeds for tilapia;
- 11. Formulated feeds for loach;
- 12. Formulated feeds for crucian carp. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed and coordinated by the National Feed Industry Standardization Technical Committee (SAC/TC76). This document was drafted by: Guangdong Hengxing Feed Industry Co., Ltd. and Soochow University. The main drafters of this document are. Ye Yuantu, Jiang Yongjie, Wu Ping, Luo

Sha, Yang Xi, Huang Zhicheng, Cheng Zhongqin, Tang Yanping and Zhu Shuanghong.

1 Scope

China's national standard for compound feed for basa catfish. It is Part 8 of GB/T 22919 and defines the terms and definitions, gives the product classification and specifies the technical requirements, the inspection rules, the labelling, packaging, transport and storage. Basa, the striped catfish of the Mekong, became one of the most produced farmed fish in the world within about twenty years, and it did so on characteristics that make the feed formulation distinctive. The fish is an air-breather with an accessory respiratory organ, so it tolerates dissolved oxygen levels that would kill almost any other farmed species, which is why it is grown at stocking densities several times higher than normal. It is omnivorous with a strong tolerance for plant protein and carbohydrate, and it grows extremely fast. Those three together mean the feed is fed in very large quantity into water with little oxygen to spare, so two properties matter beyond nutrition: the feed conversion ratio, because at these densities a small inefficiency is a large mass of waste, and the water stability and sinking behaviour of the pellet, because feed that disintegrates consumes the oxygen the fish needs. The standard therefore sets the crude protein and lipid by growth stage at levels appropriate to an omnivore rather than a carnivore, the amino acid requirements, the fibre and ash ceilings, the moisture and the pellet durability and water stability - along with the safety limits on mycotoxins, heavy metals and prohibited substances, which for an export species are commercially decisive as well as regulatory. Issued on 15 March 2024 and in force since 1 October 2024.

This document defines the terms and definitions of pangasius compound feed, gives product classification, and stipulates technical requirements, inspection rules, labels, Packaging, transportation, storage and shelf life, and the corresponding sampling and testing methods are described. This document applies to the production and use of pangasius feed.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 5918 Determination of mixing uniformity of feed products

GB/T 6432 Determination of crude protein in feeds - Kjeldahl method

GB/T 6433 Determination of crude fat in feed

GB/T 6434 Determination of crude fiber content in feed

GB/T 6435 Determination of moisture in feed

GB/T 6437 Determination of total phosphorus in feeds - Spectrophotometric method

GB/T 6438 Determination of crude ash in feed

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB/T 8170 Rules for rounding off values and expression and determination of limit values

GB/T 10647 Terminology of feed industry GB 10648 Feed Label

GB 13078 Feed Hygiene Standard

GB/T 14699.1 Feed sampling

GB/T 18246 Determination of amino acids in feed

3 Terms and definitions

The terms and definitions defined in GB/T 10647 and the following apply to this document.