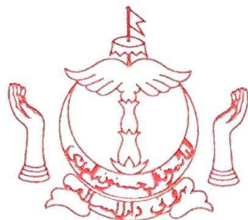


Faks : 2770065 / 2771063
Telefon : 2770066 / 2770067 / 2770068 / 2770069
Laman Web : <http://www.fisheries.gov.bn>
Emel : info@fisheries.gov.bn



جباتن قرايكانن

JABATAN PERIKANAN
KEMENTERIAN SUMBER-SUMBER
UTAMA DAN PELANCONGAN
KOMPLEKS PERIKANAN MUARA
SIMPANG 287-53
JALAN PERANGINAN PANTAI SERASA
MUARA BT1728
NEGARA BRUNEI DARUSSALAM

Rujukan Kami :

Rujukan Tuan :

| | | | |
|--|---------------------|---------------------|--------------------------------|
| Department of Fisheries, Ministry of Primary Resources & Tourism | | | |
| Title: Department of Fisheries List of Authorised Chemicals for Aquaculture Activity | | | |
| Document No.: Annex 2 | Revision No.: 15 | Page No.: 1 of 6 | Effective Date: 16 May 2026 |

| NO | PRODUCT NAME | CHEMICAL COMPOSITION | PURPOSE |
|----|---|--|--|
| 1 | Calcium Hypochlorite (70%), Chlorex, bleach | Calcium & Sodium Hypochlorite | Disinfection of rearing tanks, hatchery equipment and disease stock |
| 2 | Formalin | Formaldehyde | Spawner disinfectant |
| 3 | Providond-Iodine Iodophor | Iodine | Disinfectant 200ppm |
| 4 | - | Ethanol | Disinfection |
| 5 | Retonon | Tea Seed | To eliminate unwanted fish 20-30ppm |
| 6 | Lime | Calcium Carbonate | To disinfect pond soil and buffer pH |
| 7 | Hydrated alkali-aluminium silicate | Zeolite | To absorb ammonia, hydrogen sulphide and other toxic gases |
| 8 | NAAFZEO Gold Plus | Zeolite, <i>Yucca schidigreda</i> | To reduce ammonia, nitrite, hydrogen sulfide and other toxic gases and improve water quality |
| 9 | PIO - NOF | Manganese, Zinc, Lactic Acid & Citric Acid | To improve digestive system and overall health of shrimp |
| 10 | RI -MA | Fertilizer (Nitrogen) | To improve shrimp growth rate and survival rate, control pH and pond preparation |

| | | | |
|---|---------------------|---------------------|--------------------------------|
| Department of Fisheries, Ministry of Primary Resources & Tourism | | | |
| Title: Department of Fish List of Authorised Chemicals for Aquaculture Activity | | | |
| Document No.: Annex 2 | Revision No.: 15 | Page No.: 2 of 6 | Effective Date: 16 May 2026 |

| NO | PRODUCT NAME | CHEMICAL COMPOSITION | PURPOSE |
|----|----------------|--|--|
| 11 | Lauryltryptose | Trytose (20g/L), Lactose (5g/L), Sodium Chloride (5g/L), Dipostassium Hydrogen Phosphate (2.75/L), Postassium Dihydrogen Phosphate (2.75/L), Sodium Lauryl Sulphate (0.1g/L), Final pH (6.8±0.2) | To detect Coliform in water, waste water and food product |
| 12 | Dolomite | Calcium Carbonate (50%) Magnesium Carbonate (50%) | To treat water and increase the alkalinity and provide trace elements and macronutrients |
| 13 | SUPER MS | Probiotic (Purple non sulfur bacteria eg. Rhodobacter sp. Concentration: ±10 ⁹ CFU/ml.) | A bio-converter that utilize and decrease hydrogen sulphide (H ₂ S) gas. For decomposed and bio-cleaning purposes from pond bottom, increase oxygen. Digest the unused organic substances including proteins, carbohydrates, and lipids. Water probiotic to stimulate the growth of beneficial (non-pathogenic) bacteria. |
| 13 | D-SOIL | Nitrate, Phosphate, Potassium, Carbon, Gypsum, Trace mineral (Boron (B), Magnesium (Mg), Sulphur (S) & Carboneceous) | Nutrients to fertile soil and increase aerobic condition for soil bottom which reduce organic matter and provide favourable condition to increase the productivity of planktons |
| 14 | ECOKING | Probiotic (Photosynthetic bacteria, beneficial microbiota) | Prevent and reduce diseases, improve ecological environment, reduce harmful substances such as ammonia nitrogen and nitrite, maintain pH stability and balance algae phase, improve intestinal health of aquatic animals, purify water quality and enhance immunity dan disease resistance in aquaculture animals. |

4

Department of Fisheries, Ministry of Primary Resources & Tourism

Title: Department of Fish List of Authorised Chemicals for Aquaculture Activity

| | | | |
|--------------------------|---------------------|---------------------|--------------------------------|
| Document No.: Annex 2 | Revision No.: 15 | Page No.: 3 of 6 | Effective Date: 16 May 2026 |
|--------------------------|---------------------|---------------------|--------------------------------|

| NO | PRODUCT NAME | CHEMICAL COMPOSITION | PURPOSE |
|----|---|--|---|
| 15 | NUMBER 9 | Substance: Calcium Bentonite or Calcium Montmorillonite mineral. Composition (% by weight): Silicon dioxide (44-48%), Aluminium oxide (11-14%), Calcium oxide (3-5%), Ferric oxide (1-2%) | Coagulation and flocculation in water treatment; colloidal organic matter removal in aquaculture ponds. |
| 16 | BRILLIANT BLUE FCF Synonyms: C.I.FOOD BLUE #2 FD&C BLUE #1 | Pure dye content: 89.65% by mass Chemical Family: Triarylmethane | Food grade dye or water colorant to improve and maintain water quality in pond before stocking of shrimp fry. |
| 17 | Bio Ferm | Multi-strains Probiotic powder Lactic acid and Bacillus spp. bacteria, dextrin, yeast and minerals premix. | For pond water preparation and to treat animal digestion disease by Vibrio spp. |
| 18 | Bio Great | Multi-strains Probiotic powder, Lactic acid and Bacillus spp. bacteria milk and dextrin | Use for mixing with feed to enhance the health of animals. |
| 19 | Bio Activator | Kaolin clay powder – grey white powder. Zeolite | Use for pond water treatment and waste water treatment |
| 20 | VIBCURE | Water Cocktail of Natural substance used as cultivation media Di potassium phosphate Mono potassium phosphate | Bacteriophage therapy for shrimp farms against most common pathogenic <i>Vibrio</i> species and AHPND strains |

4

| | | | |
|---|---------------------|---------------------|--------------------------------|
| Department of Fisheries, Ministry of Primary Resources & Tourism | | | |
| Title: Department of Fish List of Authorised Chemicals for Aquaculture Activity | | | |
| Document No.: Annex 2 | Revision No.: 15 | Page No.: 4 of 6 | Effective Date: 16 May 2026 |

| NO | PRODUCT NAME | CHEMICAL COMPOSITION | PURPOSE |
|----|----------------|---|---|
| 21 | Super Mix | Essential minerals and micronutrients, specifically formulated to balance: Calcium (Ca) Magnesium (Mg) Potassium (K) | To act as a comprehensive mineral supplement in aquatic environments, crucial for the health and development of cultured organisms, particularly shrimp. |
| 22 | Tiger Men Plus | Beneficial bacteria, specifically <i>Lactobacillus plantarum</i> , lactic acid, and a buffer solution (water, molasses) | Use to improve digestion, nutrient absorption, and immune function in the animals. |
| 23 | Aqua Chip Plus | Microbial consortium: Bacillus spp., Nitromonas, Pseudomonas. | Probiotic solution used in shrimp farming primarily to improve water quality, control disease-causing pathogens (vibrio spp.) and enhance shrimp immunity and growth rates. |
| 24 | Nutri Gold | Protein and 14 nutritionally Essential Amino Acids with 12 chelated minerals and carbohydrates. | Promote growth and nutritional supplement and enhance the growth, health and vitality of fish and shrimp usually added to the shrimp feed |

4

Department of Fisheries, Ministry of Primary Resources & Tourism

Title: Department of Fish List of Authorised Chemicals for Aquaculture Activity

| | | | |
|--------------------------|---------------------|---------------------|--------------------------------|
| Document No.: Annex 2 | Revision No.: 15 | Page No.: 5 of 6 | Effective Date: 16 May 2026 |
|--------------------------|---------------------|---------------------|--------------------------------|

| NO | PRODUCT NAME | CHEMICAL COMPOSITION | PURPOSE |
|----|-----------------------------------|--|---|
| 25 | AzroSine | Hydrated aluminosilicate mineral (serving as the main carrier and mineral source), Taurine, Citric acid, Turmeric, Green tea polyphenols, L-Tryptophan, Calcium propionate | To improve feed palatability and nutrient utilization To support growth metabolism and feed efficiency To optimise intestinal microbial balance To enhance overall health and performance of aquatic animals |
| 26 | Yungstrong | Dried Bacillus amyloliquefaciens, Sipernat 22S, Calcium Carbonate | To enhance the development, immunity, Survival rates and to increase Feed Conversion Efficiency. |
| 27 | Y.S.P Biomax Solution | Probiotics: Lactobacillus spp. ($\geq 10^9$ cfu/g) | To improve digestion and promote growth |
| 28 | Compound Acidity Regulator BN-001 | Sodium Bicarbonate - CAS:144-55-8 Potassium Carbonate – CAS:584-08-7 Sodium Citrate – CAS:6132-04-3 Citric Acid – CAS:77-92-9 Sodium Chloride – CAS:7647-14-5 | To improve water quality Increase shrimp health, growth and survival rates. Improve feed conversion rates (FCR). |
| 29 | Vime-Yucca (Probiotics) | Saponin (extracted from Yucca Schidigera) 60,000mg | Absorb and prevent toxic gases in pond e.g., NH ₃ , H ₂ S, NO ₂ , stable DO and improve water quality, clean pond bottom, waste, feces and organic matter, effectively control harmful bacteria, high effect on preventing diseases found on gill of shrimp, help shrimp molting and grow faster |

—A

Department of Fisheries, Ministry of Primary Resources & Tourism

Title: Department of Fish List of Authorised Chemicals for Aquaculture Activity

Document No.:
Annex 2

Revision No.:
15

Page No.:
6 of 6

Effective Date:
16 May 2026

| NO | PRODUCT NAME | CHEMICAL COMPOSITION | PURPOSE |
|----|---|---|--|
| 30 | Anti-Shock (Nutritional supplement) | Vitamin A, D3, E, C, B1, B2, B5, B6, Inositol, Folic acid, Vitamin K3 | Supplement vitamin for shrimp. Promote healthy shrimp, help environmental stress resistance, reduced shock |
| 26 | Zeoca (Probiotics) | Saponin, Aluminium, Iron, Sodium, Potassium, Calcium & Magnesium | Stabilize pH and water quality, decompose toxic gases, clean pond bottom |
| 27 | Probal EHP (Essential oils and herbal extracts) | Allicin, Acid formic, Acid lactic, Acid propionic, Acid butyric | Support shrimp digestion and detoxification, protect hepatopancreas, promote growth |
| 28 | Squid Liver Oil (feed coating) | Squid liver oil | Attractive smell that attracts shrimp to catch feed |
| 29 | Sorpherol Concentrated | a-tocopherol, Betaine Chloride, Choline chloride, DL-Methionine, Sorbitol, Magnesium sulfate, Sodium selenite | Support HP function, prevent hepatic disease, boost the elimination of toxin ability |
| 30 | Xylazym (Digestive Enzyme) | Xylanase, Cellulase, Amylase, Phytase, Protease, Beta glucanase, Lipase, Vit B1, B6, E | Prevent disease as an antibiotic alternative, enhance nutrient absorption, boost immunity and promote health |
| 31 | Pond Clean | 50% Potassium monopersulphate (2KHSO ₅ -KHSO ₄ -K ₂ SO ₄), 10% water max, Buffer (Talcum powder) | Disinfect and kill various bacteria, viruses and fungi in shrimp nursery water and pond systems for commercial purposes. |

Yours sincerely,

HAJAH WANIDAWATI BINTI HAJI TAMAT

Acting Director of Fisheries
Department of Fisheries

16 May 2026