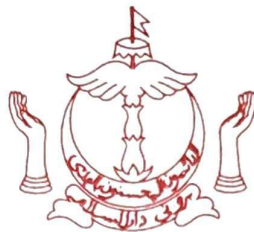


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جباتن قرايكانن

DEPARTMENT OF FISHERIES
 MINISTRY OF PRIMARY
 RESOURCES AND TOURISM
 MUARA FISHERIES COMPLEX
 SIMPANG 287-53
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 MUARA BT1728
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Our Reference :

Your Reference :

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.: 10	Page No.: 4 of 4	Effective Date: 7 January 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	Formaldehyded	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 sulphid 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

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NO	PRODUCT NAME	CHEMICAL COMPOSITION	PURPOSE
11	Lauryltryptose	Trytose (20g/L), Lactose (5g/L), Sodium Chloride (5g/L), Dipotassium Hydrogen Phosphate (2.75/L), Potassium 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) & Carbonaceous)	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 and disease resistance in aquaculture animals.

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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

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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

Yours sincerely,


HAJAH WANIDAWATI BINTI HAJI TAMAT
 Acting Director of Fisheries
 Department of Fisheries

7 January 2026