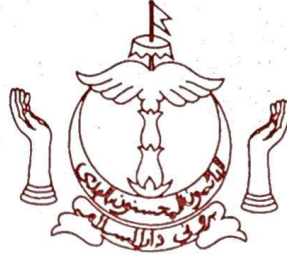


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جباتن فرايكانن

DEPARTMENT OF FISHERIES  
MINISTRY OF PRIMARY  
RESOURCES AND TOURISM  
MUARA FISHERIES COMPLEX  
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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.: 8	Page No.: 1 of 3	Effective Date: 14 January 2025

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	Formaldehyed	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 akali-aluminium silicate	Zeolite	To absorb ammonia, hydrogen sulphied 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

8

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Page No.:  
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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 <sup>9</sup> CFU/ml.)	A bio-converter that utilize and decrease hydrogen sulphide (H <sub>2</sub> 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

Yours sincerely,

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

14 January 2025