HACCP PLAN

CUULONG SEAPRO **36 BACH DANG ST., TRA VINH CITY -TRA VINH PROVINCE - VIET NAM**	**Name of goods: FROZEN RAW TILAPIA** **Method of distribution and store: Keep frozen at - 18^{o} C.** **Intended use: Defrost and cook before using** **Intended customer: General public except allergic customers to fish**

Critical control point	Significant Hazards	Critical Limits for each Preventive Measure	Monitoring				Corrective actions	Records	Verification
			What	How	Frequency	Who			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Raw material (RM) receiving (CCP1)	BIOLOGY *Pathogenic viruses	* Raw materials are harvested from farming areas approved by NAFIQAD Farmers/raw material suppliers on the approved list	*Declaration of origin of raw material / Location of harvest area	*Review Location of harvest area approved by NAFIQAD.	*Each lot	* Receiving QC	*Reject lots havested from NAFIQAD unapproved areas.	*Declaration of origin of raw material *Report on Receiving.	*Weekly review records & corrective actions. *Send samples to external testing labs to test fish diseases, once a year.
	CHEMICAL *Environmental chemicals, pesticides, etc. <u>Group 1:</u> Pesticides: (DDT, Aldrin, p,P'-DDT,) + BKC (Benzalkonium Chloride) (*)Chlorpyrifos , Fipronil, Fipronilsulfon, +Heavy metals Hg, Cd, Pb, AS).	* Raw materials are harvested from farming areas approved by NAFIQAD Farmers/raw material suppliers on the approved list *Do not accept batches of raw materials from the pond when the results of the farming condition test do not meet the requirements before harvesting. (there is evidence confirming the risk of heavy metal and pesticide contamination during the farming process).	*Declaration of origin of raw material / Location of harvest area	*Review Location of harvest area approved by NAFIQAD. *Check the conditions of the farming facility before harvesting each pond.	*Each lot	* Receiving QC * purchasing staff or technical staff of the company	*Reject lots havested from NAFIQAD unapproved areas.	*Declaration of origin of raw material *Report on Receiving. *Residue control report. *Test result report	*Weekly review records & corrective actions. *Send samples to external testing labs for verification: Group 1: 6 months/time Group 2: once a year.

	Group 2: + Toxins Aflatoxine + Sum Dioxins and dioxin-like PCBs; PCDDFs/ PCDDs; PAHs./ PFOS, PFOA, PFNA. PFHxA	* Farming facility conditions must meet the requirements according to Decision 5523 *Do not accept batches of raw materials from the pond when the results of the farming condition test do not meet the requirements before harvesting. (there is evidence confirming the risk of heavy metal and pesticide contamination during the farming process).	*Declaration of origin of raw material / Location of harvest area	* Before harvesting *Check the conditions of the farming facility before harvesting each pond.	*Each lot	* purchasing staff or technical staff of the company	* Reject batches of raw materials from the pond when the results of the condition test do not meet the requirements	* Minutes of the pond condition test before harvesting.	*Weekly review records & corrective actions.
	*Aquaculture drug residues +Approved / restricted aquaculture drugs in fish farming.	*Commit to use only permitted drugs/chemicals and stop using 30 days before harvest and other labeling requirements *No antibiotic residues permitted/restricted use exceeding the permitted level according to regulations).	* Guarantee of harvester/supplier	* Before harvesting *Check the conditions of the farming facility before harvesting each pond.	*Each lot	* purchasing staff or technical staff of the company	*Reject lot if not have Guarantee of harvester/supplier *Do not accept batches of raw materials from the farming pond when the results of the farming condition test do not meet the requirements before harvest. (there is evidence of using permitted antibiotics but the drugs are not stopped 30 days before).	* Guarantee of harvester/supplier *Report on Receiving.	*Weekly review records & corrective actions.
	Group 1: Oxytetracycline, Doxycycline, Sulfonamids group.	Residues exceeding the prescribed limits	* Take samples to test for residues of chemicals/ drugs permitted/ restricted use	* Before harvesting	* Check each batch at the company's laboratory (group 1 indicators)	* Lab Cuulong	* Reject batches of raw materials with results exceeding the permitted regulations	* Report internal testing results of each batch of raw materials.	*Send samples to external testing labs for verification: Group 1: 6 months/time

	Group 2: Praziquantel, Ivermectin, Azithromycin Abamectin. Ampicillin, cloxacilin, cypermethrin, marofloxacine, oxacillin, oxolinic acid, notrovin, sulfathiazole, sulfadiazine, flophenicol, praziquantel, benzyldimethyloctyl-ammonium, Albendazole, Totrazuril, Ormetoprim, Florfegerinol, Erythromycine	*There are no batches of raw materials containing residues of chemicals/ drugs exceeding regulations.	* Take samples to test for residues of chemicals/ drugs permitted/ restricted use	* Before harvesting	* Check each batch at the company's laboratory (group 2 indicators)	* External lab	*Trace, isolate, and recall shipments if the test results do not meet the requirements of the importing country's regulations	* Report the test results of group 2 indicators.	*Send samples to external testing labs for verification: Group 2: 6 months/time
	Prohibited antibiotics, including:	*Commitment not to use prohibited antibiotics. *No prohibited antibiotics present in raw materials).	* Guarantee of harvester/supplier	* Before harvesting *Check the conditions of the farming facility before harvesting each pond.	*Each lot	* Receiving QC	*Reject lot if not have Guarantee of harvester/supplier *Refuse raw material batches with results detecting prohibited antibiotics. *Refuse raw material batches from farming ponds when the results of the farming condition test do not meet the requirements before harvesting. (with evidence of using prohibited antibiotics during the farming process)	* Guarantee of harvester/supplier *Report on Receiving.	*Weekly review records & corrective actions.
	Group 1: +Chloramphenicol (CAP) + Nitrofuran: AOZ **+Ciprofloxacine, Enrofloxacine** *Sulfonamids group (Chinese market: Sulfonamids group belongs to the banned antibiotic group)*	*No batch of raw materials has detected banned antibiotics	* Take samples to test for residues of chemicals/ drugs permitted/ restricted use	* Before harvesting	* Check each batch at the company's laboratory (group 2 indicators)	* External lab	*Reject batches of raw materials if the results detect antibiotics	* Report the test results of group 2 indicators.	*Send samples to external testing labs for verification: Group 2: 6 months/time

	Group 2: +Nitrofuran: AMOZ, AHD, SEM, DNSH. Chloroform, Chloroform, Chlorpromazine, Dapsone, Dimetridazole, Metronidazole Nitrofurans (including furazolidone) **Trifluraline, MG/LMG, Crystial violet (CV) và Leuco crystal violet (LCV),** Nitrovin, Avermectin B1a, offloxacine, norfloxacin, flumequine	*No batch of raw materials has detected banned antibiotics	* Take samples to test for residues	* Before harvesting and upon receipt	* Check each batch at the company's laboratory (group 1 indicators)	* Lab Cuulong	*Trace, isolate, and recall shipments if the test results do not meet the requirements of the importing country's regulations	* Report internal testing results of each batch of raw materials. * Report raw material inspection results of external lab.	*Send samples to external testing labs for verification: Group 1: 3 months/time Group 2: 6 months/time
	*Aflatoxin mycotoxin	* Guarantee of supplier not to use moldy feed.	* Guarantee of supplier	* Review Guarantee of supplier	*Each lot	* Receiving QC	*Reject lot if not have Guarantee of supplier	* Guarantee letter of supplier not to use moldy feed.	*Send raw material samples to an external laboratory for aflatoxin analysis twice a year.
Parasite examination (CCP2)	*Parasites	* Parasitology table must be bright	*Brightness of Parasitology table	* Parasitology table checking	* before operating	*QC	* Adjust or repair	*Report of Parasitology table checking	*Weekly review records & corrective actions.
Metal detecting (CCP3)	* Metal fragments	* The metal detector must be able to detect the test pieces: Fe: 1.5mm. Non-Fe: 2.5mm. Stainless steel: 2.5mm. * No detectable metal fragments in finished products: Fe: ≥ 1.5mm. Non-Fe: ≥ 2.5mm. Stainless steel: ≥ 2.5mm.	*Sensitivity of metal detector *Presence of detectable metal fragments in finished products.	*Test metal detector with three test pieces *Metal detector	* Before operation *Every one hour during work, and at ending. *Each finished product package	* QC * QC *Operator	*Adjust or recalibrate if needed. *Repair, adjust the metal detector and re-detect the suspected lot (one hr previously) in case of failure to detect test pieces. *Reject any product detected by metal detector. *Identify source of metal found in product, and take corrective action.	*Report on Metal Detecting. *N.C Report	*Weekly review records & corrective actions. *Test metal detector with three test pieces before production each day, and recalibrate if needed.
Checking label	*Undeclared major food allergens	*Finished product labels	*Label/Ingredients on finished product	*Visual examination	*Each lot of packages at	*QC	* Reject the package lot.	*Report on package receiving / checking	*Weekly review records & corrective actions.

(CCP4)		must declare the presence of "fish" (in language of imported country).	packages for the presense of "fish".		receiving		*Discontinue use of supplier until corrective action taken.	label	

Date: 22 April, 2025
Approved by:
Technical manager

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CUULONG SEAPRO

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