

Summary of Chemical Criteria for fishery products intended for export to US (ex. bivalves)

This document is prepared for training purposes July 2018. For regulatory purposes consult also the original legal documents. Else Marie Andersen

Group of Substance	Type of Product	FDA Guidance (Table 9-1 and 5A in Fish and Fishery Products Hazards and Controls Guidance Fourth Edition – APRIL 2011) ¹⁾
Pesticides	All Fish	Tolerance levels (in edible portion wet weight) specified for several substances: <ul style="list-style-type: none"> – Chlordane: 0.3 ppm – Chlordecone: 0.4 ppm in crabmeat and 0.3 ppm in other fish – DDT, TDE, and DDE: 5.0 ppm – Endothall and its monomethyl ester: 0.1 ppm – Heptachlor and heptachlor epoxide: 0.3 ppm – Mirex: 0.1 ppm (edible portion) – Diquat: 0.1 ppm. – 2,4-D: 1.0 ppm.
	Finfish (additional)	Action Level (in edible portion wet weight) : <ul style="list-style-type: none"> - Aldrin and Dieldrin: 0.3 ppm. Tolerance level (in edible portion wet weight): <ul style="list-style-type: none"> – Glyphosate: 0.25 ppm. – Simazine and its metabolites: 12 ppm.
	Shellfish	Action level (in edible portion wet weight): <ul style="list-style-type: none"> - Aldrin and Dieldrin: 0.3 ppm. Tolerance level (in edible portion wet weight): <ul style="list-style-type: none"> - Glyphosate: 0.25 ppm
	Farm-raised, freshwater fish (additional)	Tolerance level (in edible portion wet weight): <ul style="list-style-type: none"> - Diuron and its matabolites: 2.0 ppm.
	Frog Legs	Action Level (in edible portion wet weight): <ul style="list-style-type: none"> - Benzene Hexachloride (BHC): 0.3 ppm
PCBs	All fish	Tolerance Level(in edible portion wet weight) : <ul style="list-style-type: none"> - Polychlorinated Biphenyls (PCBs): 2.0 ppm
Heavy Metals	All fish	Methylmercury: 1.0 ppm
Residues of Veterinary medicines	Channel catfish and freshwater-reared salmonids	Tolerance level in muscle tissue: <ul style="list-style-type: none"> – Florfenicol: 1ppm
	Salmonids and catfish	Tolerance level in muscle tissue: <ul style="list-style-type: none"> - Sulfadimethoxine/ormetoprim combination - 0.1 ppm
	Finfish and lobster	Tolerance level in muscle tissue:

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		<ul style="list-style-type: none"> – Oxytetracycline: 2.0 ppm –
	Trout	Tolerance level in muscle tissue: <ul style="list-style-type: none"> - Sulfamerazine: no residue permitted -
		No residues permitted for: <ul style="list-style-type: none"> – Chloramphenicol; – Clenbuterol; – Diethylstilbestrol (DES); – Dimetridazole, – Ipronidazole, and other Nitroimidazoles; – Furazolidone, Nitrofurazone, and other nitrofurans; – Fluoroquinilones; – Glycopeptides.

1) The original references are
For contaminants US regulations: Chapter 9 of the Fish and Fishery Products Hazards and Controls Guidance and US Regulations 21 CFR 109.30; 40 CFR 180; <https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/index.tpl> and US “Compliance Policy Guide,” Sec. 575.100 and Sec. 575.600
For veterinary medicines: Chapter 11 of the Fish and Fishery Products Hazards and Controls Guidance and the US Regulations 21 CFR 556 <https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/index.tpl>