

Singapore

| Sequestrants | Products | Maximum Amounts | References |
|--|------------------------------------|-----------------|---|
| Calcium disodium ethylenediamine tetraacetate (EDTA) | Canned fish, including crustaceans | | Agri-food &veterinary of Singapore www.ava.gov.sg |

| Preservative | Products | Maximum Amounts | References |
|-------------------------------|--|--------------------------------------|---|
| Sorbic acid | Cooked molluscs, crustaceans and echinoderms | 2,000 ppm | - Food Regulations Rg 1G.N. No. S 264/2005 |
| | Jellyfish, seasoned | 1,000 ppm | Revised Edition 2005 (30th November 2005) |
| | Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms | 2,000 ppm | - Agri-food & veterinary of Singapore |
| Sodium nitrite | Fish, smoked and cured | 10 ppm | www.ava.gov.sg |
| Benzoic acid | Cooked molluscs, crustaceans and echinoderms | 2,000 ppm | |
| | Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms | | |
| Calculated as Sulphur dioxide | Canned abalone (paua) | 1,000 ppm | |
| | Crustaceans, uncooked | 1,000 ppm (in the edible portion) | |

| Pesticides | Products | Maximum Residue Limit | References |
|--|------------------------|--------------------------|------------------------------|
| Aldrin | Fish (edible portions) | 0.2 ppm | Agri-food & veterinary of |
| Chlordane (sum of cis and trans chlordane and oxychlordance) | Fish | 11 | Singapore www.ava.gov.sg |
| Lindane | Fish | 1.0 ppm | |
| Piperonyl butoxide | Dried fish | 20 ppm | |
| Pyrethrins | Fish (dried) | 3.0 ppm | |



Oct 2018

Singapore

| Heavy Metal | Products | Maximum Amounts | References |
|-------------|--------------------------------|-----------------|------------------------------|
| Lead | Canned fish | 2.0 ppm | Agri-food & veterinary of |
| | Fish, crustaceans and molluscs | 2.0 ppm | Singapore www.ava.gov.sg |
| Arsenic | Canned fish | 1.0 ppm | |
| | Fish, crustaceans and molluscs | 1.0 ppm | |
| Copper | Canned fish | 20.0 ppm | |
| | Fish, crustaceans and molluscs | 20.0 ppm | |
| Mercury | Fish or fish product | 0.5 ppm | |
| Tin | All food | 250 ppm | |
| cadmium | Molluscs | 1.0 ppm | |
| Antimony | All food | 1.0 ppm | |
| Selenium | All food | 1.0 ppm | |

| Contaminant | Products | Maximum Amounts | References |
|---|----------------------------|-----------------|--|
| 3-monochloropropane -1,2-diol (3-MCPD) | Soy sauce and oyster sauce | 20 ppb | Agri-food & veterinary of Singapore <u>www.ava.gov.sg</u> |



Fish Inspection and Quality Control Division Department of Fisheries

Oct 2018

Singapore

| Sweetening Agent | Products | Maximum Amounts | References |
|------------------|---|-----------------|--|
| Acesulfame-K | Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | | Food Regulations Rg 1G.N. No. S 264/2005 Revised Edition 2005 (30 th November 2005) |
| | Fully preserved, including canned or fermented fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 200 ppm | |
| Saccharin | Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 160 ppm | |
| | Fully preserved, including canned or fermented fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 160 ppm | |
| Neotame | Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 10 ppm | |
| | Fully preserved, including canned or fermented fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 10 ppm | |
| Sucralose | Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 120 ppm | |
| | Fully preserved, including canned or fermented fish and fish products, including molluscs, crustaceans and echinoderms (applicable to sweet and sour products only) | 120 ppm | |

Fish Inspection and Quality Control Division Department of Fisheries

Remark :

Fish shall be any edible and wholesome part of any marine or freshwater animal, other than a mammal, that is ordinarily used for human consumption, and shall include crustaceans and molluscs.

| Toxin | Products | Maximum Amounts | References |
|-------------------------------|---|--|--|
| Histamine ^{<u>B</u>} | Fishery products from fish species associated with a high amount of histidine $\frac{A}{2}$ | n = 9, c = 2 m = 100 mg/kg M = 200 mg/kg | Agri-food & veterinary of Singapore <u>www.ava.gov.sg</u> |
| | Fishery products, except fish sauce, which have undergone enzyme maturation treatment in brine, manufactured from fish species associated with a high amount of histidine $\frac{A}{2}$ | n = 9, c = 2 m = 200 mg/kg M = 400 mg/kg | |
| | Fish sauce produced by fermentation of fishery products | 400 mg/kg | |

<u>A</u> Particularly fish species of the families: Scombridae, Clupeidae, Engraulidae, Coryfenidae, Pomatomidae, Scombresosidae

- ^{**B**} Histamine in fishery products from fish species associated with a high amount of histidine except fish sauce produced by fermentation of fishery product :
 - Satisfactory, if the following requirements are fulfilled
 - 1. The mean values observed is $\leq m$
 - 2. A maximum of c/n values observed are between m and M
 - 3. No values observed excess the limit of M
 - Unsatisfactory, if the mean value observed exceeds m or more than c/n valued are between m and M or one or more of the values observed are > M

