

MINISTRY OF HEALTH AND FAMILY WELFARE

(Food Safety and Standards Authority of India)

NOTIFICATION

New Delhi, the 14th June, 2016

F. No.1-10(2)/Standards/SP(Fish and Fisheries Products)/FSSAI-2013.—The following draft of certain regulations further to amend the Food Safety and Standards (Contaminants, toxins and Residues) Regulations, 2011, which the Food Safety and Standards Authority of India, with previous approval of the Central Government, proposes to make, in exercise of the powers conferred under clause (i) of sub-section (2) of section 92 read with sections 20 and 21 of the Food Safety and Standards Act, 2006 (34 of 2006) is hereby published as required under the sub-section (1)

of section 92 of the said Act for the information of all persons likely to be affected thereby; and notice is hereby given that the said draft regulations shall be taken into consideration after the expiry of the period of thirty days from the date on which the copies of the Official Gazette in which this notification is published are made available to the public;

Objections or suggestions, if any, duly supported by scientific evidence, may be addressed to the Chief Executive Officer, Food Safety and Standards Authority of India, Food and Drug Administration Bhawan, Kotla Road, New Delhi-110002 or send it to the email address of Authority at regulation@fssai.gov.in ;

The objections and suggestions, which may be received from any person with respect to the said draft regulations before the expiry of the period so specified, will be considered by the Food Authority.

Draft regulations

1. Short title and Commencement.- (1) These regulations may be called the Food Safety and Standards (Contaminants, toxins and Residues) Amendment Regulations, 2016.

(2) They shall come into force on the date of their final publication in the official Gazette.

2. In the Food Safety and Standards (Contaminants, toxins and Residues) Regulations, 2011, in regulation 2.5, relating to “Other Contaminants”, after sub-regulation 2.5.1, the following sub-regulation shall be inserted, namely:-

“2.5.2 Histamine in Fish and Fishery Products contaminants, toxins and Residues

3. Fish species having potential to cause histamine poisoning

Sl.No.	Family	Scientific Name	Common Name
1.	Carangidae	<i>Alectis indica</i>	Indian Threadfish
		<i>Alepes</i> spp.	Scad
		<i>Atropus atropus</i>	Cleftbelly trevally
		<i>Carangoides bartholomaei</i>	Yellow Jack
		<i>Carangoides</i> spp.	Trevally
		<i>Caranx crysos</i>	Blue runner
		<i>Caranx</i> spp.	Jack/Trevally
		<i>Decapterus koheru</i>	Koheru
		<i>Decapterus russelli</i>	Indian scad
		<i>Decapterus</i> spp.	Scad
		<i>Elagatis bipinnulata</i>	Rainbow Runner
		<i>Megalaspis cordyla</i>	Horse Mackerel/Torpedo Scad
		<i>Nematistius pectoralis</i>	Roosterfish
		<i>Oligoplites saurus</i>	Leather Jacket
		<i>Pseudocaranx dentex</i>	White trevally
<i>Scomberoides</i>	Talang queenfish		

Sl.No.	Family	Scientific Name	Common Name
		<i>commersonianus</i>	
		<i>Scomberoides</i> spp.	Leather Jacket/Queen Fish
		<i>Selene</i> spp.	Moonfish
		<i>Seriola dumerili</i>	Greater/Japanese Amberjack or Rudder Fish
		<i>Seriola lalandi</i>	Yellowtail Amberjack
		<i>Seriola quinqueradiata</i>	Japanese Amberjack
		<i>Seriola rivoliana</i>	Longfin Yellowtail
		<i>Seriola</i> spp.	Amberjack or Yellowtail
		<i>Trachurus capensis</i>	Cape Horse Mackerel
		<i>Trachurus japonicas</i>	Japanese Jack Mackerel
		<i>Trachurus murphyi</i>	Chilean Jack Mackerel
		<i>Trachurus novaezelandiae</i>	Yellowtail Horse Mackerel
		<i>Trachurus</i> spp.	Jack Mackerel/Horse Mackerel
		<i>Trachurus trachurus</i>	Atlantic Horse Mackerel
		<i>Uraspis secunda</i>	Cottonmouth jack
2.	Chanidae	<i>Chanos chanos</i>	Milkfish
3.	Clupeidae	<i>Alosa pseudoharengus</i>	Alewife
		<i>Alosa</i> spp.	Herring
		<i>Amblygaster sirm</i>	Spotted Sardinella
		<i>Anodontostoma chacunda</i>	Chacunda gizzard shad
		<i>Brevoortia patronus</i>	Gulf Menhaden
		<i>Brevoortia</i> spp.	Menhaden
		<i>Brevoortia tyrannus</i>	Atlantic Menhaden
		<i>Clupea bentincki</i>	Araucanian herring
		<i>Clupea harengus</i>	Atlantic herring
		<i>Clupea pallasii pallasii</i>	Pacific herring
		<i>Clupea</i> spp.	Pichard/Shad/Herring

Sl.No.	Family	Scientific Name	Common Name
		<i>Dorosoma</i> spp.	Gizaard Shad
		<i>Ethmalosa fimbriata</i>	Bonga Shad
		<i>Ethmidium maculatum</i>	Pacific Menhaden
		<i>Etrumeus sadina</i>	Red-eye round herring
		<i>Harengula</i> spp.	Sprat/Herring
		<i>Harengula thrissina</i>	Pacific flatiron herring
		<i>Hilsa</i> spp.	Shad
		<i>Nematolosa</i> spp.	Gizzard Shad
		<i>Opisthonema libertate</i>	Pacific thread herring
		<i>Opisthonema</i> spp	Thread Herring
		<i>Opisthopterus tardoore</i>	Tardoore
		<i>Sardina pilchardus</i>	European Pilchard
		<i>Sardinella aurita</i>	Round Sardinella
		<i>Sardinella gibbosa</i>	Gold stripe Sardinella
		<i>Sardinella longiceps</i>	Indian Oil Sardine
		<i>Sardinella maderensis</i>	Madeiran Sardinella
		<i>Sardinella</i> spp.	Sardine
		<i>Sardinops sagax</i>	South American Pilchard
		<i>Sardinops</i> spp.	South American Pilchard
		<i>Spratelloides gracilis</i>	Silver-stripe round herring
		<i>Tenualosa ilisha</i>	Hilsa shad
		<i>Tenualosa</i> spp.	Shad
4	Coryphaenidae	<i>Coryphaena hippurus</i>	Mahi-Mahi /Dolphin fish
5	Engraulidae	<i>Anchoa</i> spp.	Anchovy
		<i>Anchoviella</i> spp.	Anchovy
		<i>Cetengraulis mysticetus</i>	Pacific anchoveta
		<i>Engraulis capensis</i>	Southern African anchovy
		<i>Engraulis encrasicolus</i>	European anchovy

Sl.No.	Family	Scientific Name	Common Name
		<i>Engraulis japonicus</i>	Japanese anchovy
		<i>Engraulis ringens</i>	Peruvian anchovy
		<i>Engraulis</i> spp.	Anchovy
		<i>Stolephorus</i> spp.	Anchovy
6	Istiophoridae	<i>Istiompax indica</i>	Black Marlin
		<i>Istiophorus albicans</i>	Atlantic sailfish
		<i>Istiophorus platypterus</i>	Indo-Pacific sailfish
		<i>Kajikia albida</i>	Atlantic white marlin
		<i>Kajikia audax</i>	Striped Marlin
		<i>Makaira mazara</i>	Indo-Pacific blue marlin
		<i>Makaira</i> spp.	Marlin/Sailfish
		<i>Tetrapturus</i> spp.	Marlin/Spearfish
		<i>Tetrapturus</i> spp.	Spearfish
7	Mugilidae	<i>Mugil cephalus</i>	Flathead Grey Mullet
8	Pristigasteridae	<i>Ilisha</i> spp.	Ilisha/Pellona
		<i>Pellona ditchella</i>	Indian pellona
9	Scombridae	<i>Acanthocybium solandri</i>	Wahoo
		<i>Auxis</i> spp.	Bullet Tuna/Frigate Tuna
		<i>Cybiosarda elegans</i>	Leaping Bonito
		<i>Euthynnus affinis</i>	Little tuna or Kawakawa
		<i>Euthynnus</i> spp.	Bonito
		<i>Gasterochisma melampus</i>	Butterfly kingfish
		<i>Grammatorcynus</i> spp.	Short Mackerel
		<i>Gymnosarda unicolor</i>	Dogtooth tuna
		<i>Katsuwonus pelamis</i>	Skipjack Tuna
		<i>Orcynopsis unicolor</i>	Plain Bonito
		<i>Rastrelliger brachysoma</i>	Short Mackerel

Sl.No.	Family	Scientific Name	Common Name
		<i>Rastrelliger kanagurta</i>	Indian Mackerel
		<i>Sarda spp</i>	Bonito
		<i>Scomber australasicus</i>	Blue mackerel
		<i>Scomber japonicas</i>	Chub mackerel
		<i>Scomber scombrus</i>	Atlantic mackerel
		<i>Scomber spp.</i>	Mackerel
		<i>Scomberomorus cavalla</i>	King Mackerel
		<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel
		<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel/Spotted Spanish Mackerel
		<i>Scomberomorus niphonius</i>	Japanese Spanish mackerel
		<i>Scomberomorus spp.</i>	Spanish Mackerel
		<i>Scomeromorus lineolatus</i>	Streaked seerfish
		<i>Thunnus alalunga</i>	Albacore Tuna
		<i>Thunnus albacares</i>	Yellowfin Tuna
		<i>Thunnus atlanticus</i>	Blackfin Tuna
		<i>Thunnus maccoyi</i>	Southern bluefin tuna
		<i>Thunnus obesus</i>	Bigeye Tuna
		<i>Thunnus orientalis</i>	Pacific bluefin tuna
		<i>Thunnus spp.</i>	Tuna
		<i>Thunnus thynnus</i>	Atlantic bluefin tuna
		<i>Thunnus tonggol</i>	Longtail Tuna
10	Xiphiidae	<i>Xiphias gladius</i>	Swordfish

4. Limits of histamine level in fish and fishery products

Product Category	Applicable to	Histamine Level
12. Raw/Chilled/Frozen Finfish	Species with high amount of free histidine (Listed fish species with potential to cause histamine fish poisoning)	n=9, c=2; m=100 mg/kg, M=200 mg/kg
13. Dried/ Salted and Dried fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg
14. Thermally Processed Fishery Products		n=9, c=2; m=100 mg/kg, M=200 mg/kg

Product Category	Applicable to	Histamine Level
15. Smoked fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg
16. Fish Mince/Surimi and analogues		n=9, c=2; m=100 mg/kg, M=200 mg/kg
17. Battered and breaded fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg
18. Other Ready to Eat fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg
19. Other value added fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg
20. Other fish based products		n=9, c=2; m=100 mg/kg, M=200 mg/kg
21. Fermented Fishery products		n=9, c=2; m=200 mg/kg, M=400 mg/kg
22. Fish Pickle		n=9, c=2; m=200 mg/kg, M=400 mg/kg

Where,

n : Number of units comprising the sample

c : Maximum allowable number of defective sample units

m : Acceptable level in a sample

M : Specified level when exceeded in one or more samples would cause the lot to be rejected

• **Satisfactory, if the following requirements are fulfilled:**

1. the mean value observed is $\leq m$
2. a maximum of c/n values observed are between m and M
3. no values observed exceed the limit of M,

- **Unsatisfactory**, if the mean value observed exceeds m or more than c/n values are between m and M or one or more of the values observed are $>M$.”

PAWAN AGARWAL, Chief Executive Officer

[ADVT. III/4/Exty./134(187)]

Note. - The principal regulations were published in the Gazette of India, Extraordinary, Part III, Section 4 vide notification number F. No. 2-15015/30/2010, dated the 1st August, 2011 and subsequently amended vide notification numbers:

- (i) F. No.1-12/Sci.panel/(Notification)/FSSAI/2012, dated 3rd December, 2014;
- (ii) F. No. P. 15025/264/13-PA/FSSAI, dated 4th November, 2015;
- (iii) F.No.1-99/1/SP(Contaminants)/FSSAI/2009, dated 4th November, 2015;
- (iv) F. No. 1-99/4/SP(Contaminants)/FSSAI/2014, dated 4th November, 2015;
- (v) F.No.1-10(6)/Standards/SP(Fish and Fisheries Products)/FSSAI-2013, dated 4th January, 2016 and
- (vi) F.No. P.15025/264/13-PA/FSSAI, dated 5th January, 2016.