



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**CHENNAI METTEX LAB PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

and fulfills the requirements of FSSAI, EIC, APEDA, Tea Board & IOPEPC

for its facilities at

Jothi Complex, No.83, MKN Road, Chennai,

Tamil Nadu  
in the field of

**TESTING**

Certificate Number

TC-5589 (Integrated) • INDIA •

Issue Date

16/06/2022

Valid Until

15/06/2024

FSSAI: 16/06/2022, EIC: 16/06/2022, APEDA: 16/06/2022, Tea Board: 16/06/2022, IOPEPC: 16/06/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : CHENNAI METTEX LAB PRIVATE LIMITED

Signed for and on behalf of NABL



89076970100030002427

N. Venkateswaran  
Chief Executive Officer



**National Accreditation Board for  
Testing and Calibration Laboratories  
&  
Export Inspection Council  
(Ministry of Commerce & Industry, Govt. of  
India)**



**SCOPE OF ACCREDITATION**

**Laboratory Name** Chennai Mettlex Lab Private Limited, Jothi Complex, No.83, MKN Road, Chennai, Tamil Nadu

**Accreditation Standard** ISO/IEC 17025: 2017

**Certificate No.** TC-5589 (Integrated) **Page No.** 1 of 57

**Validity** 16.06.2022 to 15.06.2024 **Last Amended on** 04.09.2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
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Permanent Facility

1.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	Total Plate Count	ISO 4833-1:2013	≥10 cfu/g
2.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Plate Count	USFDA BAM-Chapter-3 2001	≥10 cfu/g
3.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	ISO 4832: 2006	≥10 cfu/g
4.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	USFDA BAM-Chapter-4 2002	≥10 cfu/g
5.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
6.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	ISO 16649-2:2001	≥10 cfu/g
7.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	USFDA BAM-Chapter-4 2002	≥10 cfu/g
8.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g



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9.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Staphylococcus aureus</i>	ISO 6888-1: 2021	≥10 cfu/g
10.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
11.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	USFDA BAM-Chapter-12 2001	≥10 cfu/g
12.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
13.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	USFDA BAM-Chapter-12 2001	< 3 to >1100 MPN/g
14.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
15.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Enterobacteriaceae	ISO 21528-2 : 2017	ISO 21528-2 : 2017
16.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Salmonella</i> Spp.	ISO 6579-1:2017	ISO 6579-1:2017



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17.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products,	<i>Salmonella</i> Spp.	USFDA BAM-Chapter-5 2018	USFDA BAM-Chapter-5 2018
18.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab	<i>Shigella</i> Spp.	ISO 21567: 2004	ISO 21567: 2004
19.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched,	<i>Shigella</i> Spp.	USFDA BAM-Chapter-6 2001	USFDA BAM-Chapter-6 2001
20.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved,	<i>Vibrio cholerae</i>	ISO 21872-1:2017	ISO 21872-1:2017
21.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products,	<i>Vibrio cholerae</i>	USFDA BAM-Chapter-9 2004	USFDA BAM-Chapter-9 2004
22.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Semi preserved & preserved products	<i>Vibrio parahaemolyticus</i>	Present / Absent /25 gm	Present / Absent /25 gm
23.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio parahaemolyticus</i>	< 3 to >1100 MPN/g	< 3 to >1100 MPN/g
24.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio vulnificus</i>	ISO 21872-1: 2017	Present / Absent /25 gm



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25.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Vibrio vulnificus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g
26.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio alginolyticus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g
27.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Listeria monocytogenes</i>	ISO 11290-1:2017	Present / Absent /25 gm
28.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Listeria monocytogenes</i>	USFDA BAM-Chapter-10 2017	Present / Absent /25 gm
29.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Yeast &Mould	ISO 21527-1 & 2: 2008	≥10 cfu /gm
30.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Yeast &Mould	USFDA BAM-Chapter-18 2001	≥10 cfu /gm
31.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Bacillus cereus</i>	ISO 7932: 2004	≥10 cfu/g
32.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Bacillus cereus</i>	USFDA BAM-Chapter-14 2001	≥10 cfu/g



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33.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Bacillus cereus</i>	USFDA BAM-Chapter-14 2001	< 3 to >1100 MPN/g
34.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Clostridium perfringens</i>	ISO 7937: 2004	≥10 cfu /gm
35.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Clostridium perfringens</i>	USFDA BAM-Chapter-16 2001	≥10 cfu /gm
36.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Sulphite Reducing Bacteria	ISO 15213: 2003	≥10 cfu /gm
37.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Sulphite Reducing Bacteria	USFDA BAM-Chapter-16 2001	≥10 cfu /gm
38.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Faecal Coliforms	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
39.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Yeast &Mould	AOAC 2014.05 Ch.17, 21st Edition 2019	≥10 cfu /gm
40.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Plate Count	ISO 4833-1:2013	≥10 cfu/g



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41.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	Total Plate Count	USFDA BAM-Chapter-3 2001	≥10 cfu/g
42.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	ISO 4832: 2006	≥10 cfu/g
43.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	USFDA BAM-Chapter-4 2002	≥10 cfu/g
44.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
45.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	ISO 16649-2:2001	≥10 cfu/g
46.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	USFDA BAM-Chapter-4 2002	≥10 cfu/g
47.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
48.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	ISO 6888-1: 2021	≥10 cfu/g



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49.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	(Coagulase positive)		
50.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	USFDA BAM-Chapter-12 2001	≥10 cfu/g
51.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
52.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	USFDA BAM-Chapter-12 2001	< 3 to >1100 MPN/g
53.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
54.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Enterobacteriaceae	ISO 21528-2 : 2017	≥10 cfu/g
55.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Salmonella</i> Spp.	ISO 6579-1:2017	Present / Absent /25 gm Present / Absent /375 g
56.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Salmonella</i> Spp.	USFDA BAM-Chapter-5 2018	Present / Absent /25 gm Present / Absent /375 g





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57.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Shigella</i> Spp.	ISO 21567: 2004	Present / Absent /25 gm
58.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Shigella</i> Spp.	USFDA BAM-Chapter-6 2001	Present / Absent /25 gm
59.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio cholerae</i>	ISO 21872-1:2017	Present / Absent /25 gm
60.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio cholerae</i>	USFDA BAM-Chapter-9 2004	Present / Absent /25 gm
61.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio parahaemolyticus</i>	ISO 21872-1:2017	Present / Absent /25 gm
62.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio parahaemolyticus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g
63.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio vulnificus</i>	ISO 21872-1: 2017	Present / Absent /25 gm
64.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio vulnificus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g



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65.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products,	<i>Vibrio alginolyticus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g
66.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab	<i>Listeria monocytogenes</i>	ISO 11290-1:2017	Present / Absent /25 gm
67.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched,	<i>Listeria monocytogenes</i>	USFDA BAM-Chapter-10 2017	Present / Absent /25 gm
68.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved,	Yeast &Mould	ISO 21527-1 & 2: 2008	≥10 cfu /gm
69.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products,	Yeast &Mould	USFDA BAM-Chapter-18 2001	≥10 cfu /gm
70.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Semi preserved & preserved products	<i>Bacillus cereus</i>	ISO 7932: 2004	≥10 cfu/g
71.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Bacillus cereus</i>	USFDA BAM-Chapter-14 2001	≥10 cfu/g
72.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Bacillus cereus</i>	USFDA BAM-Chapter-14 2001	< 3 to >1100 MPN/g



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74.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Clostridium perfringens</i>	USFDA BAM-Chapter-16 2001	≥10 cfu /gm
75.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Sulphite Reducing Bacteria	ISO 15213: 2003	≥10 cfu /gm
76.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Sulphite Reducing Bacteria	USFDA BAM-Chapter-16 2001	≥10 cfu /gm
77.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Faecal Coliforms	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
78.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Yeast & Mould	AOAC 2014.05 Ch.17, 21st Edition 2019	≥10 cfu /gm
79.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Plate Count	ISO 4833-1:2013	≥10 cfu/g
80.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Plate Count	USFDA BAM-Chapter-3 2001	≥10 cfu/g



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81.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	Total Coliforms	ISO 4832: 2006	≥10 cfu/g
82.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	USFDA BAM-Chapter-4 2002	≥10 cfu/g
83.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Total Coliforms	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
84.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	ISO 16649-2:2001	≥10 cfu/g
85.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	USFDA BAM-Chapter-4 2002	≥10 cfu/g
86.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Escherichia coli</i>	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
87.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	ISO 6888-1: 2021	≥10 cfu/g
88.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		



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**SCOPE OF ACCREDITATION**

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89.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Staphylococcus aureus</i>	USFDA BAM-Chapter-12 2001	≥10 cfu/g
90.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
91.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Staphylococcus aureus</i>	USFDA BAM-Chapter-12 2001	< 3 to >1100 MPN/g
92.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		(Coagulase positive)		
93.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Enterobacteriaceae	ISO 21528-2 : 2017	≥10 cfu/g
94.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Salmonella</i> Spp.	ISO 6579-1:2017	Present / Absent /25 gm Present / Absent /375 g
95.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Salmonella</i> Spp.	USFDA BAM-Chapter-5 2018	Present / Absent /25 gm Present / Absent /375 g
96.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	<i>Shigella</i> Spp.	ISO 21567: 2004	Present / Absent /25 gm	



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97.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Shigella</i> Spp.	USFDA BAM-Chapter-6 2001	Present / Absent /25 gm
98.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio cholerae</i>	ISO 21872-1:2017	Present / Absent /25 gm
99.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio cholerae</i>	USFDA BAM-Chapter-9 2004	Present / Absent /25 gm
100.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio parahaemolyticus</i>	ISO 21872-1:2017	Present / Absent /25 gm
101.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio parahaemolyticus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g
102.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio vulnificus</i>	ISO 21872-1: 2017	Present / Absent /25 gm
103.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio vulnificus</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g
104.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Vibrio alginolytics</i>	USFDA BAM-Chapter-9 2004	< 3 to >1100 MPN/g



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105.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products,	<i>Listeria monocytogenes</i>	ISO 11290-1:2017	Present / Absent /25 gm
106.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab	<i>Listeria monocytogenes</i>	USFDA BAM-Chapter-10 2017	Present / Absent /25 gm
107.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched,	Yeast &Mould	ISO 21527-1 & 2: 2008	≥10 cfu /gm
108.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved,	Yeast &Mould	USFDA BAM-Chapter-18 2001	≥10 cfu /gm
109.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products,	<i>Bacillus cereus</i>	ISO 7932: 2004	≥10 cfu/g
110.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Semi preserved & preserved products	<i>Bacillus cereus</i>	USFDA BAM-Chapter-14 2001	≥10 cfu/g
111.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Bacillus cereus</i>	USFDA BAM-Chapter-14 2001	< 3 to >1100 MPN/g
112.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		<i>Clostridium perfringens</i>	ISO 7937: 2004	≥10 cfu /gm



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113.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Marine/Aquaculture Products, Crustaceans, (Prawn & Prawn Products, Shrimps & Shrimp Products, Crab & Crab Products), Crab Meat, Minced Crab Meat, Fresh, Raw, Chilled, Frozen, Cooked, Semi Cooked, Blanched, Dried, Salted, Processed, Canned, Comminuted, Cured, Preserved, Fermented, Heat Treated, Ready to eat, Smoked Products, Edible casings products, Semi preserved & preserved products	<i>Clostridium perfringens</i>	USFDA BAM-Chapter-16 2001	≥10 cfu /gm
114.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Sulphite Reducing Bacteria	ISO 15213: 2003	≥10 cfu /gm
115.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Sulphite Reducing Bacteria	USFDA BAM-Chapter-16 2001	≥10 cfu /gm
116.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Faecal Coliforms	USFDA BAM-Chapter-4 2002	< 3 to >1100 MPN/g
117.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS		Yeast & Mould	AOAC 2014.05 Ch.17, 21st Edition 2019	≥10 cfu /gm
118.	BIOLOGICAL/ WATER	Water & Ice	Total Plate Count @ 37°C	ISO 6222: 1999	≥1 cfu /ml
119.	BIOLOGICAL/ WATER	Water & Ice	Total Plate Count @ 20-22°C	ISO 6222: 1999	≥1 cfu /ml
120.	BIOLOGICAL/ WATER	Water & Ice	Total Coliforms	ISO 9308-1: 2014	Present (or) Absent/100/ 250ml
121.	BIOLOGICAL/ WATER	Water & Ice	<i>Escherichia coli</i>	ISO 9308-1: 2014	Present (or) Absent/100/ 250ml
122.	BIOLOGICAL/ WATER	Water & Ice	Enterococci	ISO 7899-2: 2000	Present (or) Absent/100/ 250ml
123.	BIOLOGICAL/	Water & Ice	<i>Clostridium perfringens</i>	ISO 14189: 2013	Present (or)

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124.	BIOLOGICAL/ WATER	Water & Ice	<i>Pseudomonas aeruginosa</i>	ISO 16266: 2006	Absent/100/ 250ml Present (or) Absent/100/ 250ml
125.	BIOLOGICAL/ WATER	Water & Ice	Total Plate Count	IS 1622: 1981	≥1 cfu /ml
126.	BIOLOGICAL/ WATER	Water & Ice	Total Coliforms	IS 1622: 1981	< 1 to >161 MPN/100ml
127.	BIOLOGICAL/ WATER	Water & Ice	Lipolytic&Proteolytic Organisms Combined Count	IS 4251 Appendix A: 1967	≥1 cfu /ml
128.	BIOLOGICAL/ WATER	Water & Ice	Lipolytic&Proteolytic Organisms Combined Count		≥1 cfu /ml
129.	BIOLOGICAL/ WATER	Water & Ice	Thermophilic Bacteria Count	IS 4251 Appendix B: 1967	≥1 cfu /ml
130.	BIOLOGICAL/ WATER	Water & Ice	Total Coliforms	IS 1622: 1981	< 2 to >1600 MPN/100ml
131.	BIOLOGICAL/ WATER	Water & Ice	Total Coliforms	IS 15185: 2016	Present (or) Absent/ 100ml
132.	BIOLOGICAL/ WATER	Water & Ice	<i>Escherichia coli</i>	IS 1622: 1981	< 2 to >1600 MPN/100ml
133.	BIOLOGICAL/ WATER	Water & Ice	<i>Escherichia coli</i>	IS 15185: 2016	Present (or) Absent/ 100ml
134.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Crustaceans:-		
135.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Chloramphenicol	CML/INS/SOP/29	0.02 to 100 µg/kg
136.	CHEMICAL/	Fish & Fish Products	Florfenicol	CML/INS/SOP/29	10 to 2000 µg/kg

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	MARINE /AQUA CULTURE FOOD PRODUCTS				
137.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nitrofuron Metabolites		
138.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	3-amino-5-marpholinomethyl-2-oxazolidinone-AMOZ	CML/INS/SOP/29	0.15 to 100 µg/kg
139.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	1-aminohydantion – AHD	CML/INS/SOP/29	0.23 to 100 µg/kg
140.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	3-amino-2- oxazolidinone AOZ	CML/INS/SOP/29	0.08 to 100 µg/kg
141.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Semicarbazide - SEM	CML/INS/SOP/29	0.19 to 100 µg/kg
142.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	3,5-dinitrosalicylic acid hydrazide- DNSH	CML/INS/SOP/29	0.1 to 100 µg/kg



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143.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nitrofuron Parent Compounds		
144.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Furaltadone	CML/INS/SOP/29	0.09 to 100 µg/kg
145.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Furazolidone	CML/INS/SOP/29	0.15 to 100 µg/kg
146.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nitrofurantoin	CML/INS/SOP/29	0.11 to 100 µg/kg
147.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nitrofurazone	CML/INS/SOP/29	0.09 to 100 µg/kg
148.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nifursol	CML/INS/SOP/29	0.09 to 100 µg/kg
149.	CHEMICAL/ MARINE /AQUA CULTURE FOOD	Fish & Fish Products	Dyes		



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150.	PRODUCTS CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Malachite green	CML/INS/SOP/25	0.08 µg/kg to 100 µg/kg
151.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Leuco-Malachite green	CML/INS/SOP/25	0.2 µg/kg to 100 µg/kg
152.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Crstal Violet/Gentain Violet	CML/INS/SOP/25	0.04 µg/kg to 100 µg/kg
153.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Leuco Crystal Violet/Leucogentain Violet	CML/INS/SOP/25	0.13µg/kg to 100 µg/kg
154.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tetracycline Compounds		
155.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Oxytetracycline	CML/INS/SOP/21	CML/INS/SOP/21
156.	CHEMICAL/ MARINE /AQUA CULTURE	Fish & Fish Products	Chlortetracycline	CML/INS/SOP/21	CML/INS/SOP/21

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	FOOD PRODUCTS				
157.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tetracycline	CML/INS/SOP/21	CML/INS/SOP/21
158.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	4-Epi Oxytetracycline	CML/INS/SOP/21	CML/INS/SOP/21
159.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	4-Epi Chlortetracycline	CML/INS/SOP/21	CML/INS/SOP/21
160.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	4-Epi Tetracycline	CML/INS/SOP/21	CML/INS/SOP/21
161.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfonamides Compounds		
162.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfanilamide	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
163.	CHEMICAL/ MARINE /AQUA	Fish & Fish Products	Sulfadiazine	CML/INS/SOP/22	5 µg/kg to 500 µg/kg



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	CULTURE FOOD PRODUCTS				
164.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfathiazole	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
165.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfapyridine	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
166.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfamerazine	CML/INS/SOP/22 using LCMSMS	5 µg/kg to 500 µg/kg
167.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products			
168.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfamethiazole	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
169.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfamethiazine / Sulfadimidine	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
170.	CHEMICAL/	Fish & Fish Products	Sulfamethoxypridazine	CML/INS/SOP/22	5 µg/kg to 500

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	MARINE /AQUA CULTURE FOOD PRODUCTS				µg/kg
171.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfamethoxazole	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
172.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfadoxine	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
173.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulfadimethoxine	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
174.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Trimethoprim	CML/INS/SOP/22	5 µg/kg to 500 µg/kg
175.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Quinolones/Fluroquinolones		
176.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Ciprofloxacin	CML/INS/SOP/66	10 µg/kg to 500 µg/kg



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
177.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Oxolinic acid	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
178.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sarafloxacin	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
179.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Flumequine	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
180.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Danofloxacin	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
181.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Difloxacin	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
182.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Enrofloxacin	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
183.	CHEMICAL/ MARINE /AQUA CULTURE FOOD	Fish & Fish Products	Nalidixic acid	CML/INS/SOP/66	10 µg/kg to 500 µg/kg





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	PRODUCTS				
184.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Norfloxacin	CML/INS/SOP/66	10 µg/kg to 500 µg/kg
185.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Poly chlorinated Biphenyls		
186.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2-Chlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
187.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	3,3'-Dichlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
188.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,4,5-Trichlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
189.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,2',4,4'- Tetrachlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
190.	CHEMICAL/ MARINE /AQUA CULTURE	Fish & Fish Products	2',3',4,5',6- Pentachlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg

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	FOOD PRODUCTS				
191.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,2',3,3',6,6'- Hexachlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
192.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,2',3,4,5,5',6- Heptachlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
193.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,2',3,3',4,4',5,5'- Octachlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
194.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,2',3,3',4,4',5,5',6- Nonochloro biphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05 mg/kg to 10.0 mg/kg
195.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	2,2',3,3',4,4',5,5',6,6- Decachlorobiphenyl	CML/INS/SOP/76(issue No 2 05.10.2021)	0.05mg/kg to 10.0 mg/kg
196.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Pesticide Residues		
197.	CHEMICAL/ MARINE /AQUA	Fish & Fish Products	4-Bromo-2-Chloro Phenol	CML/INS/SOP/15(Issue No 2 Date:2 7	0.01 mg/kg to 10.0 mg/kg

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	CULTURE FOOD PRODUCTS			12.10.2021)	
198.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Alachlor	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
199.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Aldrin	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
200.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Atrazine	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
201.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Carbaryl	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
202.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Carbofuran	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
203.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Chlorobenzilate	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
204.	CHEMICAL/	Fish & Fish Products	Chloropyrifos	CML/INS/SOP/15(Issue	0.01 mg/kg to 10.0

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	MARINE /AQUA CULTURE FOOD PRODUCTS			No 2 Date:2 7 12.10.2021)	mg/kg
205.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cis Chlordane	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
206.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Diazinon	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
207.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Dichlorvos	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
208.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Dicofol	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
209.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Dieldrin	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
210.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Endosulphansulphate	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg



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211.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Endrin	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
212.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Fenitrothion	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
213.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Fenthion	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
214.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Heptachlor	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
215.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Heptachlor epoxide	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
216.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Hexaconazole	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
217.	CHEMICAL/ MARINE /AQUA CULTURE FOOD	Fish & Fish Products	Lindane	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg



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	PRODUCTS				
218.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Malathion	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
219.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Methoxychlor	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
220.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nalidixic Acid	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
221.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	o,p-DDD	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
222.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	o,p-DDE	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
223.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	o,p-DDT	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
224.	CHEMICAL/ MARINE /AQUA CULTURE	Fish & Fish Products	p,p-DDD	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg

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	FOOD PRODUCTS				
225.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	p,p-DDE	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
226.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	p,p-DDT	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
227.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Phosalone	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
228.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Quinalphos	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
229.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Trans Chlordane	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
230.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Triazophos	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
231.	CHEMICAL/ MARINE /AQUA	Fish & Fish Products	Trifluralin	CML/INS/SOP/15(Issue No 2 Date:27 12.10.2021)	0.01 mg/kg to 10.0 mg/kg

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	CULTURE FOOD PRODUCTS			12.10.2021)	
232.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	α- HCH	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
233.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	α-Endosulphan	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
234.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	β- HCH	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
235.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	β-Endosulphan	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
236.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	δ- HCH	CML/INS/SOP/15(Issue No 2 Date:2 7 12.10.2021)	0.01 mg/kg to 10.0 mg/kg
237.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Antioxidant		
238.	CHEMICAL/	Fish & Fish Products	Ethoxyquin	CML/INS/SOP/15	0.01 mg/kg to 10.0

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	MARINE /AQUA CULTURE FOOD PRODUCTS				mg/kg
239.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Herbicide		
240.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Pentimethalin	CML/INS/SOP/15	0.01 mg/kg to 10.0 mg/kg
241.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Metals		
242.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Lead	CML/INS/SOP/45	0.1 - 10 mg/kg
243.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Mercury	CML/INS/SOP/45	0.1 - 10 mg/kg
244.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Arsenic	CML/INS/SOP/45	0.02- 10mg/kg



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245.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cadmium	CML/INS/SOP/45	0.02- 10mg/kg
246.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nickel	CML/INS/SOP/45	0.2- 10mg/kg
247.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Chromium	CML/INS/SOP/45	0.2- 10mg/kg
248.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Selenium	CML/INS/SOP/45	0.15-10 mg/kg
249.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tin	CML/INS/SOP/45	0.2- 10mg/kg
250.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Copper	CML/INS/SOP/45	0.2- 10mg/kg
251.	CHEMICAL/ MARINE /AQUA CULTURE FOOD	Fish & Fish Products	Zinc	CML/INS/SOP/45	0.2- 10mg/kg

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252.	PRODUCTS CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cephalopods:-		
253.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Lead	CML/INS/SOP/45	0.05-10 mg/kg
254.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Mercury	CML/INS/SOP/45	0.05-10 mg/kg
255.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Arsenic	CML/INS/SOP/45	0.1 - 10 mg/kg
256.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cadmium	CML/INS/SOP/45	0.05-10 mg/kg
257.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nickel	CML/INS/SOP/45	0.15-10 mg/kg
258.	CHEMICAL/ MARINE /AQUA CULTURE	Fish & Fish Products	Chromium	CML/INS/SOP/45	0.15-10 mg/kg

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**SCOPE OF ACCREDITATION**

**Laboratory Name** Chennai Mettlex Lab Private Limited, Jothi Complex, No.83, MKN Road, Chennai, Tamil Nadu  
**Accreditation Standard** ISO/IEC 17025: 2017  
**Certificate No.** TC-5589 (Integrated) **Page No.** 35 of 57  
**Validity** 16.06.2022 to 15.06.2024 **Last Amended on** 04.09.2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
	FOOD PRODUCTS				
259.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Selenium	CML/INS/SOP/45	0.15-10 mg/kg
260.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tin	CML/INS/SOP/45	0.15-10 mg/kg
261.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Copper	CML/INS/SOP/45	0.2- 10mg/kg
262.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Zinc	CML/INS/SOP/45	0.2- 10mg/kg
263.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Fish:-		
264.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Lead	CML/INS/SOP/45	0.05-10 mg/kg
265.	CHEMICAL/ MARINE /AQUA	Fish & Fish Products	Mercury	CML/INS/SOP/45	0.05-10 mg/kg

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	CULTURE FOOD PRODUCTS				
266.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Arsenic	CML/INS/SOP/45	0.1-10 mg/kg
267.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cadmium	CML/INS/SOP/45	0.02-10 mg/kg
268.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nickel	CML/INS/SOP/45	0.15-10 mg/kg
269.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Chromium	CML/INS/SOP/45	0.15-10 mg/kg
270.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Selenium	CML/INS/SOP/45	0.1 - 10 mg/kg
271.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tin	CML/INS/SOP/45	0.15-10 mg/kg
272.	CHEMICAL/	Fish & Fish Products	Copper	CML/INS/SOP/45	0.15-10 mg/kg

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	MARINE /AQUA CULTURE FOOD PRODUCTS				
273.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Zinc	CML/INS/SOP/45	0.15-10 mg/kg
274.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Fish, Crustaceans & Cephalopods:-		
275.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sulphites (expressed as residual SO <sub>2</sub> )	AOAC 21ST EDN 2019 (990.28)	10 - 750mg/kg
276.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Total phosphate (expressed as P)	AOAC 21ST EDN 2019 (2011.14)	10 – 10000mg/kg
277.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Total volatile base nitrogen (TVBN)	FSSAI Manual (2016)- Fish & Fishery Products	1 – 100 mg/100g
278.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Ash	FSSAI Manual (2016)- Fish & Fishery Products	0.1 % - 5 %



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279.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Acid insoluble ash	FSSAI Manual (2016)- Fish & Fishery Products	0.05 % - 5%
280.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	pH	FSSAI Manual (2016)- Fish & Fishery Products	3 to 8
281.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nitrite as NO <sub>2</sub>	FSSAI Manual (2016)- Fish & Fishery Products	5 – 500 mg/kg
282.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Nitrate as NO <sub>3</sub>	FSSAI Manual (2016)- Fish & Fishery Products	0.05 - 500mg/kg
283.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Salt as NaCl	FSSAI Manual (2016)- Fish & Fishery Products	0.1 – 5 %
284.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Sodium as Na	AOAC 21ST EDN 2019(2011.14)	10 – 1000mg/100g
285.	CHEMICAL/ MARINE /AQUA CULTURE FOOD	Fish & Fish Products	Moisture	FSSAI Manual (2016)- Fish & Fishery Products	0.5 – 90 %



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	PRODUCTS				
286.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Chloroform	CML/INS/SOP/ 17 [Issue No & Date : 2 & 20.05.]: 2015	Qualitative :Qualitative (Present / absent)
287.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Formalin	IS 2237 : 1997 (Reaff:2018)	1 mg/kg to 100 mg/kg
288.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Histamine	In-house SOP CML/INS/SOP/42	10.0mg/Kg- 500mg/kg
289.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Indole	AOAC 21ST EDN 2019 (981.07)	5.0 mg/kg 500mg/Kg
290.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Rice - (Basmati / Non-basmati) Pesticide Residues		
291.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Acephate	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
292.	CHEMICAL/ MARINE /AQUA CULTURE	Fish & Fish Products	Benomyl	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg

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	FOOD PRODUCTS				
293.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Buprofezin	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
294.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Carbendazim	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
295.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Carbofuran	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
296.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Chlorpyrifos	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
297.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Clothianidin	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
298.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cyfluthrin I	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
299.	CHEMICAL/ MARINE /AQUA	Fish & Fish Products	Cyfluthrin II	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg

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	CULTURE FOOD PRODUCTS				
300.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cyfluthrin III	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
301.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Cyfluthrin IV	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
302.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Fonicamide	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
303.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	TFNA	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
304.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	TFNG	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
305.	CHEMICAL/MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Imidacloprid	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
306.	CHEMICAL/	Fish & Fish Products	Isoprothialone	CML/INS/SOP/11	0.01 mg/kg to 10.0

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	MARINE /AQUA CULTURE FOOD PRODUCTS				mg/kg
307.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Metconazole	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
308.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Methamidophos	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
309.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Primiphos-methyl	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
310.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Profenofos	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
311.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Propiconazole	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
312.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Prothioconazole	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg



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313.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tebuconazole	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
314.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tefufnozide	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
315.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Thiamethoxam	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
316.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Thiaphenate methyl	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
317.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Triazophos	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
318.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Tricyclazole	CML/INS/SOP/11	0.01 mg/kg to 10.0 mg/kg
319.	CHEMICAL/ MARINE /AQUA CULTURE FOOD	Fish & Fish Products	Skimmed milk powder-		



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320.	PRODUCTS CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Milk Fat	IS 7219:1973 & IS 13334 (Part 1) 2014	IS 7219:1973 & IS 13334 (Part 1) 2014
321.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Milk protein in Milk SNF	IS 7219:1973 & IS 13334 (Part 1) 2014	IS 7219:1973 & IS 13334 (Part 1) 2014
322.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Titrateable acidity (ml 0.1N NaOH for 10 g SNF)	IS 11766:1986	IS 11766:1986
323.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Total ash	IS 14433 : 2007	IS 14433 : 2007
324.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Scorched particles	IS 13500:1990	IS 13500:1990
325.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Insolubility Index	IS 12759:2019	IS 12759:2019
326.	CHEMICAL/ MARINE /AQUA CULTURE	Fish & Fish Products	Ghee		

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	FOOD PRODUCTS				
327.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Milk Fat	FSSAI Manual of Analysis of foods (Milk and Milk Products): 2016	95 - 99.9%
328.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Moisture	FSSAI Manual of Analysis of foods (Milk and Milk Products): 2017	0.1 % - 1.0 %
329.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	FFA (as oleic acid)	FSSAI Manual of Analysis of foods (Milk and Milk Products): 2018	0.1 - 5.0
330.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Reichert Meissl value	FSSAI Manual of Analysis of foods (Milk and Milk Products): 2019	21.0 - 28.0
331.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	ButyroRefractometer reading	FSSAI Manual of Analysis of foods (Milk and Milk Products): 2020	35 - 50
332.	CHEMICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish & Fish Products	Baudouin test	Qualitative	Qualitative
333.	CHEMICAL & BIOLOGICAL/	Fish and Fishery products	Fish and Fishery products-SAMPLING	Standard Operating procedure for Sampling	NA

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	SAMPLING			of Fish and Fishery products , Water and Ice -CML/LAB/MBL/SOP/18 -Issue No & Date:02&03.01.2017	
334.	CHEMICAL/ WATER	Water	Arsenic	IS:3025 part-65 : 2014	0.005 -100 mg/l
335.	CHEMICAL/ WATER	Water	Boron	IS:3025 part-65 : 2014	0.05 -100 mg/l
336.	CHEMICAL/ WATER	Water	Cadmium	IS:3025 part-65 : 2014	0.001 -100 mg/l
337.	CHEMICAL/ WATER	Water	Chromium	IS:3025 part-65 : 2014	0.02 -100 mg/l
338.	CHEMICAL/ WATER	Water	Copper	IS:3025 part-65 : 2014	0.02 -100 mg/l
339.	CHEMICAL/ WATER	Water	Lead	IS:3025 part-65 : 2014	0.005 -100 mg/l
340.	CHEMICAL/ WATER	Water	Iron	IS:3025 part-53 2003	0.01 mg/l to 100 mg/l
341.	CHEMICAL/ WATER	Water	Magnesium	IS:3025 part-46 1994	1.0 mg/l to 10000 mg/l
342.	CHEMICAL/ WATER	Water	Calcium	IS:3025 part-40 1991	1.0 mg/l to 10000 mg/l
343.	CHEMICAL/ WATER	Water	Arsenic	IS:3025 part-65 : 2014	0.005 -100 mg/l
344.	CHEMICAL/ WATER	Water	Boron	IS:3025 part-65 : 2014	0.05 -100 mg/l
345.	CHEMICAL/ WATER	Water	Cadmium	IS:3025 part-65 : 2014	0.001 -100 mg/l
346.	CHEMICAL/ WATER	Water	Chromium	IS:3025 part-65 : 2014	0.02 -100 mg/l
347.	CHEMICAL/ WATER	Water	Copper	IS:3025 part-65 : 2014	0.02 -100 mg/l
348.	CHEMICAL/	Water	Lead	IS:3025 part-65 : 2014	0.005 -100 mg/l

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349.	WATER CHEMICAL/ WATER	Water	Mercury	USEPA 200.8	0.0005 - 10 mg/l
350.	WATER CHEMICAL/ WATER	Water	Nickel	IS:3025 part-65 : 2014	0.005 -100 mg/l
351.	WATER CHEMICAL/ WATER	Water	Selenium	IS:3025 part-65 : 2014	0.005 -100 mg/l
352.	WATER CHEMICAL/ WATER	Water	Aluminium	IS:3025 part-65 : 2014	0.005 -100 mg/l
353.	WATER CHEMICAL/ WATER	Water	Manganese	IS:3025 part-65 : 2014	0.02 -100 mg/l
354.	WATER CHEMICAL/ WATER	Water	Zinc	IS:3025 part-65 : 2014	0.05 -100 mg/l
355.	WATER CHEMICAL/ WATER	Water	Barium	IS:3025 part-65 : 2014	0.05 -100 mg/l
356.	WATER CHEMICAL/ WATER	Water	Silver	IS:3025 part-65 : 2014	0.005 -100 mg/l
357.	WATER CHEMICAL/ WATER	Water	Uranium	IS:3025 part-65 : 2014	0.001 -0.500 mg/l
358.	WATER CHEMICAL/ WATER	Water	Molybdenum	IS:3025 part-65 : 2014	0.02 -100 mg/l
359.	WATER CHEMICAL/ WATER	Water	Color	IS:3025 part-4 2021	1 Hazen to 500 Hazen
360.	WATER CHEMICAL/ WATER	Water	Odour	IS:3025 part-5 -2018	Qualitative
361.	WATER CHEMICAL/ WATER	Water	Taste	IS:3025 part-8 1984	Qualitative
362.	WATER CHEMICAL/ WATER	Water	pH (Hydrogen ion concentration)	IS:3025 part-11 1983	1 to 14
363.	WATER CHEMICAL/ WATER	Water	Turbidity	IS:3025 part-10 1984	0.5 NTU to 200 NTU
364.	WATER CHEMICAL/ WATER	Water	Total Dissolved Solids	IS:3025 part-16 1984	1 mg/l to 10000 mg/l
365.	WATER CHEMICAL/ WATER	Water	Color	IS:3025 part-4 2021	1 Hazen to 500

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**SCOPE OF ACCREDITATION**

**Laboratory Name** Chennai Mettlex Lab Private Limited, Jothi Complex, No.83, MKN Road, Chennai, Tamil Nadu

**Accreditation Standard** ISO/IEC 17025: 2017

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	WATER				Hazen
366.	CHEMICAL/ WATER	Water	Sulphate	IS:3025 part-24 1986	1 mg/l to 5000 mg/l
367.	CHEMICAL/ WATER	Water	Fluoride	APHA 23rd Edn 4500 F D	0.1 mg/l to 20 mg/l
368.	CHEMICAL/ WATER	Water	Chloride	IS:3025 part-32 1988	1 mg/l to 10000 mg/l
369.	CHEMICAL/ WATER	Water	Cyanide	IS:3025 part-27/Sec 1: 2021	0.01 mg/l to 5.0 mg/l
370.	CHEMICAL/ WATER	Water	Ammonia (as total Ammonia - N)	IS:3025 part-34 1988	0.01 mg/l to 20 mg/l
371.	CHEMICAL/ WATER	Water	Anionic -detergents (as MBAS)	IS:3025 part 68 2019	0.01 mg/l to 5.0 mg/l
372.	CHEMICAL/ WATER	Water	Chloramines (as Cl <sub>2</sub> )	IS:3025 part-26 2021	0.1 mg/l to 10 mg/l
373.	CHEMICAL/ WATER	Water	Free residual chlorine	IS:3025 part-26 2021	0.1 mg/l to 10 mg/l
374.	CHEMICAL/ WATER	Water	Nitrate (as NO <sub>3</sub> )	IS:3025 part-34 1988	1.0 mg/l to 100 mg/l
375.	CHEMICAL/ WATER	Water	Phenolic substances (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 part-43 1992	0.0005 mg/l to 1.0 mg/l
376.	CHEMICAL/ WATER	Water	Mineral oil	IS 3025-part 39-2021	0.01 mg/l to 10 mg/l
377.	CHEMICAL/ WATER	Water	Sulphide (as H <sub>2</sub> S)	IS 3025-part 29-1986	0.01 mg/l to 10 mg/l
378.	CHEMICAL/ WATER	Water	Total alkalinity (as CaCO <sub>3</sub> )	IS 3025-part 23-1986	1.0 mg/l to 10000 mg/l
379.	CHEMICAL/ WATER	Water	Total hardness as CaCO <sub>3</sub>	IS 3025-part 21: 2009	1.0 mg/l to 10000 mg/l
380.	CHEMICAL/ WATER	Water	Alachlor	USEPA 525.2,507	0.01 - 500 µg/l
381.	CHEMICAL/ WATER	Water	o,p - DDT	USEPA 508	0.01 - 500 µg/l
382.	CHEMICAL/ WATER	Water	p,p- DDT	USEPA 508	0.01 - 500 µg/l

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**Laboratory Name** Chennai Mettlex Lab Private Limited, Jothi Complex, No.83, MKN Road, Chennai, Tamil Nadu

**Accreditation Standard** ISO/IEC 17025: 2017

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	WATER				
383.	CHEMICAL/ WATER	Water	o,p – DDD	USEPA 508	0.01 - 500 µg/l
384.	CHEMICAL/ WATER	Water	p,p – DDD	USEPA 508	0.01 - 500 µg/l
385.	CHEMICAL/ WATER	Water	o,p – DDE	USEPA 508	0.01 - 500 µg/l
386.	CHEMICAL/ WATER	Water	p,p – DDE	USEPA 508	0.01 - 500 µg/l
387.	CHEMICAL/ WATER	Water	α-BHC(HCH)	USEPA 508	0.01 - 500 µg/l
388.	CHEMICAL/ WATER	Water	B-BHC (HCH)	USEPA 508	0.01 - 500 µg/l
389.	CHEMICAL/ WATER	Water	Γ-BHC (Lindane )	USEPA 508	0.01 - 500 µg/l
390.	CHEMICAL/ WATER	Water	Delta – BHC(HCH)	USEPA 508	0.01 - 500 µg/l
391.	CHEMICAL/ WATER	Water	α-Endosulfan	USEPA 508	0.01 - 500 µg/l
392.	CHEMICAL/ WATER	Water	β-Endosulfan	USEPA 508	0.01 - 500 µg/l
393.	CHEMICAL/ WATER	Water	Endosulfansulphate	USEPA 508	0.01 - 500 µg/l
394.	CHEMICAL/ WATER	Water	Monocrotophos	USEPA 8141A	0.01 - 500 µg/l
395.	CHEMICAL/ WATER	Water	Chlorpyrifos	USEPA 525.2	0.01 - 500 µg/l
396.	CHEMICAL/ WATER	Water	Phorate	USEPA 8141A	0.01 - 500 µg/l
397.	CHEMICAL/ WATER	Water	Atrazine	USEPA 525.2,8141A	0.01 - 500 µg/l
398.	CHEMICAL/ WATER	Water	Methyl parathion	USEPA 8141A	0.01 - 500 µg/l
399.	CHEMICAL/ WATER	Water	Malathion	USEPA 8141A	0.01 - 500 µg/l

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	WATER				
400.	CHEMICAL/ WATER	Water	2,4-D	USEPA 515.1, 8321A	0.01 - 500 µg/l
401.	CHEMICAL/ WATER	Water	Butachlor	USEPA 525.2, 8141A	0.01 - 500 µg/l
402.	CHEMICAL/ WATER	Water	Aldrin	USEPA 525.2	0.01 - 500 µg/l
403.	CHEMICAL/ WATER	Water	Dieldrin	USEPA 525.2	0.01 - 500 µg/l
404.	CHEMICAL/ WATER	Water	Ethion	USEPA 1657A	0.01 - 500 µg/l
405.	CHEMICAL/ WATER	Water	Isoproturon	USEPA 532	0.01 - 500 µg/l
406.	CHEMICAL/ WATER	Water	2-Chlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
407.	CHEMICAL/ WATER	Water	3,3'-Dichlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
408.	CHEMICAL/ WATER	Water	2,4,5-Trichlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
409.	CHEMICAL/ WATER	Water	2,2',4,4'- Tetrachlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
410.	CHEMICAL/ WATER	Water	2',3',4,5',6'- Pentachlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
411.	CHEMICAL/ WATER	Water	2,2',3,3',6,6'- Hexachlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
412.	CHEMICAL/ WATER	Water	2,2',3,4,5,5',6'- Heptachlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
413.	CHEMICAL/ WATER	Water	2,2',3,3',4,4',5,5'- Octachlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l

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414.	CHEMICAL/ WATER	Water	2,2',3,3',4,4',5,5',6- Nonochloro biphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
415.	CHEMICAL/ WATER	Water	2,2',3,3',4,4',5,5',6,6- Decachlorobiphenyl	APHA 23rd Edn 2017 6431	0.1 - 1000 µg/l
416.	CHEMICAL/ WATER	Water	Poly Aromatic Hydrocarbon:-		
417.	CHEMICAL/ WATER	Water	Benzo(a)pyrene	APHA 23rd Edn 2017 6440	APHA 23rd Edn 2017 6440
418.	CHEMICAL/ WATER	Water	Benzo(b)fluranthene	APHA 23rd Edn 2017 6440	APHA 23rd Edn 2017 6440
419.	CHEMICAL/ WATER	Water	Benzo(k)fluranthene	APHA 23rd Edn 2017 6440	APHA 23rd Edn 2017 6440
420.	CHEMICAL/ WATER	Water	Benzo(g,h,i)Perylene	APHA 23rd Edn 2017 6440	APHA 23rd Edn 2017 6440
421.	CHEMICAL/ WATER	Water	WATER FOR PROCESSED FOOD INDUSTRIES		
422.	CHEMICAL/ WATER	Water	Iron	IS:3025 part-53 2003	0.01 mg/l to 100 mg/l
423.	CHEMICAL/ WATER	Water	Magnesium	IS 3025 Part 46 1994	1.0 mg/l to 10000 mg/l
424.	CHEMICAL/ WATER	Water	Arsenic	IS:3025 part-65 : 2014	0.005 - 100 mg/l
425.	CHEMICAL/ WATER	Water	Chromium (Cr6+)	IS:3025 part-52 2003(RA.2019)	0.03 - 100mg/l
426.	CHEMICAL/ WATER	Water	Copper	IS:3025 part-65 : 2014	0.02 - 100 mg/l
427.	CHEMICAL/ WATER	Water	Lead	IS:3025 part-65 : 2014	0.005 - 100 mg/l
428.	CHEMICAL/ WATER	Water	Selenium	IS:3025 part-65 : 2014	0.005 - 100 mg/l
429.	CHEMICAL/ WATER	Water	Manganese	IS:3025 part-65 : 2014	0.02 - 100 mg/l

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430.	WATER CHEMICAL/ WATER	Water	Zinc	IS:3025 part-65 : 2014	0.05 -100 mg/l
431.	WATER CHEMICAL/ WATER	Water	Cadmium	IS:3025 part-65 : 2014	0.001 - 100 mg/l
432.	WATER CHEMICAL/ WATER	Water	Mercury	USEPA200.8	0.0005 - 100 mg/l
433.	WATER CHEMICAL/ WATER	Water	Physical Parameters		
434.	WATER CHEMICAL/ WATER	Water	Color	IS:3025 part-4 2021	1 Hazen to 500 Hazen
435.	WATER CHEMICAL/ WATER	Water	Odour	IS:3025 part-5 1983	Qualitative
436.	WATER CHEMICAL/ WATER	Water	pH ( Hydrogen ion Concentration)	IS:3025 part-11 1983	1 to 14
437.	WATER CHEMICAL/ WATER	Water	Turbidity	IS:3025 part-10 1984	0.5 NTU to 200 NTU
438.	WATER CHEMICAL/ WATER	Water	Total Solids	IS:3025 part-15 1984	1 mg/l to 50000 mg/l
439.	WATER CHEMICAL/ WATER	Water	Sulphate	IS:3025 part-24 1986	1.0 mg/l to 5000 mg/l
440.	WATER CHEMICAL/ WATER	Water	Fluoride	APHA 23rd Edn 4500 F D	0.1 mg/l to 20 mg/l
441.	WATER CHEMICAL/ WATER	Water	Chloride	IS:3025 part-32 1988	1.0 mg/l to 10000 mg/l
442.	WATER CHEMICAL/ WATER	Water	Cyanide	IS:3025 part-27/Sec 1:2021	0.01 mg/l to 5.0 mg/l
443.	WATER CHEMICAL/ WATER	Water	Nitrate (as N)	IS:3025 part-34 1988	1.0 mg/l to 100 mg/l
444.	WATER CHEMICAL/ WATER	Water	Phenolic substances (as C6H5OH)	IS:3025 part-43 1992	0.0005 mg/l to 1.0 mg/l
445.	WATER CHEMICAL/ WATER	Water	Total hardness as CaCO3	IS:3025 part-21 2009	1.0 mg/l to 10000 mg/l
446.	WATER CHEMICAL/ WATER	Water	Iron	IS:3025 part-53 2003	0.01 mg/l to 100

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**Accreditation Standard** ISO/IEC 17025: 2017

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	WATER				mg/l
447.	CHEMICAL/ WATER	Water	Sodium	IS:3025 part-45 1993	1.0 mg/l to 1000 mg/l
448.	CHEMICAL/ WATER	Water	Magnesium	IS:3025 part-46 1994	1.0 mg/l to 10000 mg/l
449.	CHEMICAL/ WATER	Water	Calcium	IS:3025 part-40 1991	1.0 mg/l to 10000 mg/l
450.	CHEMICAL/ WATER	Water	Antimony	IS:3025 part-65 2014 (RA:2019)	0.003 - 100 mg/l
451.	CHEMICAL/ WATER	Water	Arsenic	IS:3025 part-65 2014 (RA:2019)	0.005 -100 mg/l
452.	CHEMICAL/ WATER	Water	Boron	IS:3025 part-65 2014 (RA:2019)	0.05 -100 mg/l
453.	CHEMICAL/ WATER	Water	Cadmium	IS:3025 part-65 2014 (RA:2019)	0.001 -100 mg/l
454.	CHEMICAL/ WATER	Water	Chromium	IS:3025 part-65 2014	0.02-100mg/l
455.	CHEMICAL/ WATER	Water	Copper	IS:3025 part-65 2014	0.02-100mg/l
456.	CHEMICAL/ WATER	Water	Lead	IS:3025 part-65 2014	0.005 -100 mg/l
457.	CHEMICAL/ WATER	Water	Mercury	USEPA200.8	0.0005 -100 mg/l
458.	CHEMICAL/ WATER	Water	Nickel	IS:3025 part-65 2014	0.005 -100 mg/l
459.	CHEMICAL/ WATER	Water	Selenium	IS:3025 part-65 2014	0.005 -100 mg/l
460.	CHEMICAL/ WATER	Water	Aluminium	IS:3025 part-65 2014	0.005 -100 mg/l
461.	CHEMICAL/ WATER	Water	Manganese	IS:3025 part-65 2014	0.02-100mg/l
462.	CHEMICAL/ WATER	Water	Barium	IS:3025 part-65 2014	0.05-100mg/l
463.	CHEMICAL/ WATER	Water	Silver	IS:3025 part-65 2014	0.005 -100 mg/l

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464.	WATER CHEMICAL/ WATER	Water	Molybdenum	IS:3025 part-65 2014	0.02-100mg/l
465.	WATER CHEMICAL/ WATER	Water	Uranium	IS:3025 part-65 : 2014	0.001 -0.500 mg/l
466.	WATER CHEMICAL/ WATER	Water	Physical Parameters		
467.	WATER CHEMICAL/ WATER	Water	Color	IS:3025 part-4 2021	1 Hazen to 100 Hazen
468.	WATER CHEMICAL/ WATER	Water	Odour	IS:3025 part-5 1983	Qualitative
469.	WATER CHEMICAL/ WATER	Water	Taste	IS:3025 part-8 1984	Qualitative
470.	WATER CHEMICAL/ WATER	Water	pH ( Hydrogen Ion Concentration)	IS:3025 part-11 1983	1 to 14
471.	WATER CHEMICAL/ WATER	Water	Conductivity	IS:3025 part-14 2013	1 $\mu$ S/cm to 100000 $\mu$ S/cm
472.	WATER CHEMICAL/ WATER	Water	Turbidity	IS:3025 part-10 1984	0.5 NTU to 200 NTU
473.	WATER CHEMICAL/ WATER	Water	Total Solids	IS:3025 part-15 1984	1 mg/l to 50000 mg/l
474.	WATER CHEMICAL/ WATER	Water	Total Dissolved Solids	IS:3025 part-16 1984	1 mg/l to 10000 mg/l
475.	WATER CHEMICAL/ WATER	Water	Sulphate	IS:3025 part-24 1986	1.0 mg/l to 5000 mg/l
476.	WATER CHEMICAL/ WATER	Water	Fluoride	APHA 23rd Edn 2017 4500 F D	0.1 mg/l to 20 mg/l
477.	WATER CHEMICAL/ WATER	Water	Chloride	IS:3025 part-32 1988	1.0 mg/l to 10000 mg/l
478.	WATER CHEMICAL/ WATER	Water	Cyanide	IS:3025 part-27/Sec 1 2021	0.01 mg/l to 5.0 mg/l
479.	WATER CHEMICAL/ WATER	Water	Ammonia (as N)	IS:3025 part-34 1988	0.01 mg/l to 20 mg/l
480.	WATER CHEMICAL/ WATER	Water	Anionic -detergents (as	IS: 3025 part 68 2019	0.01 mg/l to 5.0

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	WATER		MBAS)		mg/l
481.	CHEMICAL/ WATER	Water	Chloramines (as Cl <sub>2</sub> )	IS:3025 part-26 2021	0.1 mg/l to 10 mg/l
482.	CHEMICAL/ WATER	Water	Free residual chlorine	IS:3025 part-26 2021	0.1 mg/l to 10 mg/l
483.	CHEMICAL/ WATER	Water	Nitrate (as NO <sub>3</sub> )	IS:3025 part-34 1988	1.0 mg/l to 100 mg/l
484.	CHEMICAL/ WATER	Water	Phenolic substances (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 part-43 1992	0.0005 mg/l to 1.0 mg/l
485.	CHEMICAL/ WATER	Water	Mineral oil	IS:3025 part-39 2021	0.01 mg/l to 10 mg/l
486.	CHEMICAL/ WATER	Water	Sulphide (as H <sub>2</sub> S)	IS:3025 part-29 1986	0.01 mg/l to 10. mg/l
487.	CHEMICAL/ WATER	Water	Total alkalinity (as CaCO <sub>3</sub> )	IS:3025 part-23 1986	1.0 mg/l to 10000 mg/l
488.	CHEMICAL/ WATER	Water	Bromate	ISO 15061-2001	0.001 mg/l to 1.0 mg/l
489.	CHEMICAL/ WATER	Water	Nitrite	IS:3025 part-34 1988	0.005 mg/l to 10 mg/l
490.	CHEMICAL/ WATER	Water	Oxidisability (as O <sub>2</sub> )	IS:3025 part-63 2013	1.0 mg/l to 100 mg/l
491.	CHEMICAL/ WATER	Water	Alachlor	USEPA 525.2,507	0.01 - 500µg/l
492.	CHEMICAL/ WATER	Water	o,p - DDT	USEPA 508	0.01 - 500µg/l
493.	CHEMICAL/ WATER	Water	p,p- DDT	USEPA 508	0.01 - 500µg/l
494.	CHEMICAL/ WATER	Water	o,p - DDD	USEPA 508	0.01 - 500µg/l
495.	CHEMICAL/ WATER	Water	p,p - DDD	USEPA 508	0.01 - 500µg/l
496.	CHEMICAL/ WATER	Water	o,p - DDE	USEPA 508	0.01 - 500µg/l
497.	CHEMICAL/ WATER	Water	p,p - DDE	USEPA 508	0.01 - 500µg/l

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498.	WATER CHEMICAL/ WATER	Water	α-BHC	USEPA 508	0.01 - 500µg/l
499.	WATER CHEMICAL/ WATER	Water	B-BHC	USEPA 508	0.01 - 500µg/l
500.	WATER CHEMICAL/ WATER	Water	gama-BHC	USEPA 508	0.01 - 500µg/l
501.	WATER CHEMICAL/ WATER	Water	Delta – BHC	USEPA 508	0.01 - 500µg/l
502.	WATER CHEMICAL/ WATER	Water	α-Endosulfan	USEPA 508	0.01 - 500µg/l
503.	WATER CHEMICAL/ WATER	Water	β-Endosulfan	USEPA 508	0.01 - 500µg/l
504.	WATER CHEMICAL/ WATER	Water	Endosulfansulphate	USEPA 508	0.01 - 500µg/l
505.	WATER CHEMICAL/ WATER	Water	Monocrotophos	USEPA 8141A	0.01 - 500µg/l
506.	WATER CHEMICAL/ WATER	Water	Chlorpyrifos	USEPA 525.2	0.01 - 500µg/l
507.	WATER CHEMICAL/ WATER	Water	Phorate	USEPA 8141A	0.01 - 500µg/l
508.	WATER CHEMICAL/ WATER	Water	Atrazine	USEPA 525.2,8141A	0.01 - 500µg/l
509.	WATER CHEMICAL/ WATER	Water	Methyl parathion	USEPA 8141A	0.01 - 500µg/l
510.	WATER CHEMICAL/ WATER	Water	Malathion	USEPA 8141A	0.01 - 500µg/l
511.	WATER CHEMICAL/ WATER	Water	2,4-D	USEPA 515.1, 8321A	0.01 - 500µg/l
512.	WATER CHEMICAL/ WATER	Water	Butachlor	USEPA 525.2, 8141A	0.01 - 500µg/l
513.	WATER CHEMICAL/ WATER	Water	Aldrin	USEPA 525.2	0.01 - 500µg/l
514.	CHEMICAL/ WATER	Water	Dieldrin	USEPA 525.2	0.01 - 500µg/l

*This is annexure to 'Certificate of Accreditation' and does not require any signature.*



**National Accreditation Board for  
Testing and Calibration Laboratories  
&  
Export Inspection Council  
(Ministry of Commerce & Industry, Govt. of  
India)**



**SCOPE OF ACCREDITATION**

**Laboratory Name** Chennai Mettlex Lab Private Limited, Jothi Complex, No.83, MKN Road, Chennai, Tamil Nadu  
**Accreditation Standard** ISO/IEC 17025: 2017  
**Certificate No.** TC-5589 (Integrated) **Page No.** 57 of 57  
**Validity** 16.06.2022 to 15.06.2024 **Last Amended on** 04.09.2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
515.	WATER CHEMICAL/ WATER	Water	Ethion	USEPA 1657A	0.01 - 500µg/l
516.	WATER CHEMICAL/ WATER	Water	Isoproturon	USEPA 532	0.01 - 500µg/l
517.	WATER CHEMICAL/ WATER	Water	Total Pesticides	by calculation	0.05 - 500µg/l
518.	WATER CHEMICAL/ WATER	Water	Benzo(a)pyrene	APHA 23rd Edn 2017 6440	0.005 - 500 µg/l
519.	WATER CHEMICAL/ WATER	Water	Benzo(b)fluranthene	APHA 23rd Edn 2017 6440	0.01 - 500µg/l
520.	WATER CHEMICAL/ WATER	Water	Benzo(k)fluranthene	APHA 23rd Edn 2017 6440	0.01 - 500µg/l
521.	WATER CHEMICAL/ WATER	Water	Benzo(g,h,i)Perylene	APHA 23rd Edn 2017 6440	0.01 - 500µg/l
522.	WATER CHEMICAL/ WATER	Water	Indeno(1,2,3-cd)Pyrene	APHA 23rd Edn 2017 6440	0.01 - 500µg/l