National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CSIR-INDIAN INSTITUTE OF TOXICOLOGY REASEARCH, LUCKNOW, VISHVIGYAN BHAWAN 31, MAHATMA GANDHI MARG, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7103 **Page No** 1 of 9

Validity 24/09/2022 to 23/09/2024 **Last Amended on** 24/11/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- TOXICOLOGY	Plastics and Polymeric test	Systemic Injection Test	IS 12709
2	BIOLOGICAL- WATER	Drinking Water	Enumeration of coliforms and fecal coliforms (most probable number i.e. MPN/100 ml)	IS 1622 Multiple tube fermentation method
3	BIOLOGICAL- WATER	Ground water/ surface water	Enumeration of coliforms and fecal coliforms (most probable number i.e., MPN/100ml)	IS 1622 Multiple Tube Fermentation Method
4	BIOLOGICAL- WATER	Packaged Drinking water	Detection and enumeration of Coliform	IS 15185 Membrane filtration Method
5	BIOLOGICAL- WATER	Packaged Drinking water	Detection and enumeration of E.coli	IS 15185 Membrane filtration Method
6	BIOLOGICAL- WATER	Packaged Natural Mineral water	Detection and enumeration of E.coli and coliform bacteria	IS 15185 Membrane filtration method
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fine Particulate Matter (PM2.5)	IS 5182 (Part 24)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen dioxide	IS 5182 (Part 6)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (PM 10)	IS 5182 (Part 23)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur dioxide	IS 5182 (Part 2)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Suspended Particulate Matter (SPM)	IS 5182 (Part 04)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur dioxide	IS 11255 (Part 2)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 (Part 3)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 (Part 3)
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-laurate (C12:0)	Edible oil & Fats-laurate (C12:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl butyrate (C4:0)	Edible oil & Fats-Methyl butyrate (C4:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl decanoate (C10:0)	Edible oil & Fats-Methyl decanoate (C10:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl hexanoate (C6:0)	Edible oil & Fats-Methyl hexanoate (C6:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl myristate (C14:0)	Edible oil & Fats-Methyl myristate (C14:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl octanoate (C8:0)	Edible oil & Fats-Methyl octanoate (C8:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl palmitate (C16:0)	Edible oil & Fats-Methyl palmitate (C16:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl stearate (C18:0)	Edible oil & Fats-Methyl stearate (C18:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl tridecanoate (C13:0)	Edible oil & Fats-Methyl tridecanoate (C13:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil & Fats-Methyl undecanoate (C11:0)	Edible oil & Fats-Methyl undecanoate (C11:0)	FOOD SAFETY AND STANDARDS ACT, 2006 No. 34 OF 2006
26	CHEMICAL- PLASTIC & RESINS	Plastic and Polymeric Products	Heavy metals in plastic leachates	IS 12709:1994 (Clause 16.0)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Cadmium	APHA, 23rd edition, using AAS (3111B) Method 3500
28	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Chromium	APHA, 23rd edition, using AAS (3111B) Method 3500
29	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Copper	APHA, 23rd edition, using AAS (3111B) Method 3500
30	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Iron	APHA, 23rd edition, using AAS (3111B) Method 3500
31	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Lead	APHA, 23rd edition, using AAS (3111B) Method 3500
32	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Magnesium	APHA, 23rd edition, using AAS (3111B) Method 3500

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
33	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Manganese	Standrard method APHA, 23rd edition: (3111B) Method 3500: 2017
34	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Nickel	APHA, 23rd edition, using AAS (3111B) Method 3500
35	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Phosphate	APHA, 23rd edition, 4500-P-D
36	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Suspended solids	APHA, 23rd edition, 2540-D
37	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Zinc	APHA, 23rd edition, using AAS (3111B) Method 3500
38	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	BOD	APHA, 23rd edition, 5210-B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Chloride	APHA, 23rd edition, 4500-Cl- -B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	COD	APHA, 23rd edition, 5520-C
41	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Dissolved oxygen	APHA, 23rd edition, 5210-B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Dissolved solids	APHA, 23rd edition, 2540-C
43	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Fixed Solids	APHA, 23rd edition, 2540-E
44	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Fluoride	APHA, 23rd edition, 4500-F-D
45	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Free residual chlorine	APHA, 23rd edition, 4500-Cl2-B,C
46	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Oil and Grease	APHA, 23rd edition, 5520-B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	pH	APHA, 23rd edition, 4500-H+-B
48	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Phenol	APHA, 23rd edition, 5530-C
49	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Sulphate	APHA, 23rd edition, 4500-SO4-E
50	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Total nitrogen	APHA, 23rd edition, 4500-N-B

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
51	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Total solids	APHA, 23rd edition, 2540-B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Volatile Solids	APHA, 23rd edition, 2540-E
53	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	CHLORPYRIFOS	AOAC, Chapter 10, Method 970.52
54	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	P,P-DDD	AOAC, Chapter 10, Method 970.52
55	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	p,p'-DDE	AOAC 21st Ed.,Chapter 10
56	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Beta-Endosulfan	AOAC 21st Ed.,Chapter 10
57	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Products (Meat, Fish & Oils)	Alpha-Endosulfan	AOAC 21st Ed.,Chapter 10
58	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Aldrin	AOAC 21st Ed.,Chapter 10: 2019
59	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	o,p-DDT	AOAC 21st Ed.,Chapter 10
60	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	p,p', DDT	AOAC 21st Ed.,Chapter 10
61	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	p,p'-DDD	AOAC 21st Ed.,Chapter 10
62	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	ACETAMIPRID	AOAC, Chapter 10, Method 970.52
63	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	ALPHA-ENDOSULPHAN	AOAC, Chapter 10, Method 970.52
64	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	ATRAZIN	AOAC, Chapter 10, Method 970.52
65	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	AZOXYSTROBIN	AOAC, Chapter 10, Method 970.52
66	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	BENDIOCARB	AOAC, Chapter 10, Method 970.52
67	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	BETA-ENDOSULPHAN	AOAC, Chapter 10, Method 970.52
68	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, Vegetables & Cereals	BETA-HCH	AOAC, Chapter 10, Method 970.52
69	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	BIFENTHRIN	AOAC, Chapter 10, Method 970.52

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Validity 24/09/2022 to 23/09/2024 **Last Amended on** 24/11/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
70	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	CYPERMETHRIN	AOAC, Chapter 10, Method 970.52
71	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, Vegetables & Cereals	DELTA-HCH	AOAC, Chapter 10, Method 970.52
72	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	DELTA-METHRIN	AOAC, Chapter 10, Method 970.52
73	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	FENPROPATHRIN	AOAC, Chapter 10, Method 970.52
74	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	FENVALERATE	AOAC, Chapter 10, Method 970.52
75	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, Vegetables & Cereals	GAMMA-HCH	AOAC, Chapter 10, Method 970.52
76	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	LAMBDA-CYHALOTHRIN	AOAC, Chapter 10, Method 970.52
77	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	MALATHION	AOAC, Chapter 10, Method 970.52
78	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	P,P,-DDE	AOAC, Chapter 10, Method 970.52
79	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	P,P,-DDT	AOAC, Chapter 10, Method 970.52
80	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	PROFENOFOS	AOAC, Chapter 10, Method 970.52
81	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fruits, vegetables & cereals	QUINOLPHOS	AOAC, Chapter 10, Method 970.52
82	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	ALPHA HCH	SOP no. PTL/MVD/001
83	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	BUPROFEZIN	SOP no. PTL/MVD/001
84	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	CARBOFURAN	SOP no. PTL/MVD/001
85	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	CLOTHIANIDIN	SOP no. PTL/MVD/001
86	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	DIMETHOATE	SOP no. PTL/MVD/001
87	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	ETHION	SOP no. PTL/MVD/001
88	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	FIPRONIL	SOP no. PTL/MVD/001

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Accreditation Standard	ISO/IEC 17025:2017		
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
89	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	FLUSILAZOLE	SOP no. PTL/MVD/001
90	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	HEXACONAZOLE	SOP no. PTL/MVD/001
91	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	IMIDACLOPRID	SOP no. PTL/MVD/001
92	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	INDOXACARB	SOP no. PTL/MVD/001
93	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	METALAXYL	SOP no. PTL/MVD/001
94	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	METCONAZOLE	SOP no. PTL/MVD/001
95	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	MONOCROTOPHOS	SOP no. PTL/MVD/001
96	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	MYCOBUTANIL	SOP no. PTL/MVD/001
97	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	O,P-DDT	SOP no. PTL/MVD/001
98	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	PACLOBUTAZOLE	SOP no. PTL/MVD/001
99	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	PENCONAZOLE	SOP no. PTL/MVD/001
100	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	PHENTHOATE	SOP no. PTL/MVD/001
101	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	PHORATE SULFOXIDE	SOP no. PTL/MVD/001
102	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	PROPAGITE	SOP no. PTL/MVD/001
103	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	PROPICONAZOLE	SOP no. PTL/MVD/001
104	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	TETRACONAZOLE	SOP no. PTL/MVD/001
105	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	THIAMETHOXAM	SOP no. PTL/MVD/001
106	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	THIOCLOPRID	SOP no. PTL/MVD/001
107	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	TRIADEMENOL	SOP no. PTL/MVD/001

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108	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	TRIAZOPHOS	SOP no. PTL/MVD/001
109	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	TRIFLOXYSTROBIN	SOP no. PTL/MVD/001
110	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Meat, Fish & Oils	Alpha-HCH	AOAC, Chapter 10, Method 983.21 and 984.21
111	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Meat, Fish & Oils	Beta-HCH	AOAC, Chapter 10, Method 983.21 and 984.21
112	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Meat, Fish & Oils	Delta-HCH	AOAC, Chapter 10, Method 983.21 and 984.21
113	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Meat, Fish & Oils	Gamma-HCH	AOAC, Chapter 10, Method 983.21 and 984.21
114	CHEMICAL- RESIDUES IN WATER	Drinking water	Cadmium	APHA, 23rd edition, using AAS (3111B) Method 3500
115	CHEMICAL- RESIDUES IN WATER	Drinking water	Calcium	APHA, 23rd edition, using AAS (3111B) Method 3500
116	CHEMICAL- RESIDUES IN WATER	Drinking water	Chromium	APHA, 23rd edition, using AAS (3111B) Method 3500
117	CHEMICAL- RESIDUES IN WATER	Drinking water	Copper	APHA, 23rd edition, using AAS (3111B) Method 3500
118	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron	APHA, 23rd edition, using AAS (3111B) Method 3500
119	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	APHA, 23rd edition, using AAS (3111B) Method 3500
120	CHEMICAL- RESIDUES IN WATER	Drinking water	Magnesium	APHA, 23rd edition, using AAS (3111B) Method 3500-Mg A
121	CHEMICAL- RESIDUES IN WATER	Drinking water	Manganese	APHA, 23rd edition, using AAS (3111B) Method 3500- Mn A
122	CHEMICAL- RESIDUES IN WATER	Drinking water	Mercury	EPA Method 7473(SW-846):2007
123	CHEMICAL- RESIDUES IN WATER	Drinking water	Nickel	APHA, 23rd edition, using AAS (3111B) Method 3500- Ni
124	CHEMICAL- RESIDUES IN WATER	Drinking water	Zinc	APHA, 23rd edition, using AAS (3111B) Method 3500- Zn B
125	CHEMICAL- RESIDUES IN WATER	Water	Alpha-endosulfan	APHA, 2017, 23rd Edition: 6630
126	CHEMICAL- RESIDUES IN WATER	Water	Alpha-HCH	APHA, 2017, 23rd Edition: 6630

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127	CHEMICAL- RESIDUES IN WATER	water	Beta-endosulfan	APHA 2017, 23rd Edition: 6630
128	CHEMICAL- RESIDUES IN WATER	Water	Beta-HCH	APHA, 2017, 23rd Edition: 6630
129	CHEMICAL- RESIDUES IN WATER	Water	Delta-HCH	APHA, 2017, 23rd Edition: 6630
130	CHEMICAL- RESIDUES IN WATER	Water	Gamma-HCH	APHA, 2017, 23rd Edition: 6630
131	CHEMICAL- RESIDUES IN WATER	Water	Op-DDT	APHA, 2017, 23rd Edition: 6630
132	CHEMICAL- RESIDUES IN WATER	Water	pp-DDD	APHA, 2017, 23rd Edition: 6630
133	CHEMICAL- RESIDUES IN WATER	Water	pp-DDE	APHA, 2017, 23rd Edition: 6630
134	CHEMICAL- RESIDUES IN WATER	Water	pp-DDT	APHA, 2017, 23rd Edition: 6630
135	CHEMICAL- WATER	Drinking Water	Arsenic	APHA 3114
136	CHEMICAL- WATER	Drinking water	Electrical Conductivity	APHA/AWWA; 23 rd Edn. 2510-B
137	CHEMICAL- WATER	Drinking/Surface/Ground Water	Ammonical nitrogen	APHA, 23rd edition,4500-NH3-C
138	CHEMICAL- WATER	Drinking/Surface/Ground Water	Calcium hardness	APHA, 23rd edition,2340-C
139	CHEMICAL- WATER	Drinking/Surface/Ground Water	Chloride	APHA, 23rd edition,4500-Cl--B
140	CHEMICAL- WATER	Drinking/Surface/Ground Water	Dissolved solids	APHA, 23rd edition,2540-C
141	CHEMICAL- WATER	Drinking/Surface/Ground Water	Fluoride	APHA, 23rd edition,4500-F--D
142	CHEMICAL- WATER	Drinking/Surface/Ground Water	Free residual chlorine	APHA, 23rd edition, 4500-Cl2-B,C
143	CHEMICAL- WATER	Drinking/Surface/Ground Water	Magnesium hardness	APHA, 23rd edition,2340-C
144	CHEMICAL- WATER	Drinking/Surface/Ground Water	Nitrate	APHA, 23rd edition,4500-NO3-C
145	CHEMICAL- WATER	Drinking/Surface/Ground Water	pH	APHA, 23rd edition,4500-H+-B
146	CHEMICAL- WATER	Drinking/Surface/Ground Water	Phenol	APHA, 23rd edition,5530-C
147	CHEMICAL- WATER	Drinking/Surface/Ground Water	Phosphate	APHA, 23rd edition,4500-P-D
148	CHEMICAL- WATER	Drinking/Surface/Ground Water	Silica	APHA, 23rd edition,4500-SiO2-C
149	CHEMICAL- WATER	Drinking/Surface/Ground Water	Sulphate	APHA, 23rd edition,4500-SO4-E

SCOPE OF ACCREDITATION

Laboratory Name :	CSIR-INDIAN INSTITUTE OF TOXICOLOGY REASEARCH, LUCKNOW, VISHVIGYAN BHAWAN 31, MAHATMA GANDHI MARG, LUCKNOW, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7103	**Page No**	9 of 9
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	24/11/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
150	CHEMICAL- WATER	Drinking/Surface/Ground Water	Suspended solids	APHA, 23rd edition,2540-D
151	CHEMICAL- WATER	Drinking/Surface/Ground Water	Total alkalinity	APHA, 23rd edition, 2320-B
152	CHEMICAL- WATER	Drinking/Surface/Ground Water	Total hardness	APHA, 23rd edition, 2340-C
153	CHEMICAL- WATER	Drinking/Surface/Ground Water	Total solids	APHA, 23rd edition, 2540-B

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.