



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

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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
Permanent Facility				
1	BIOLOGICAL-TOXICOLOGY	Plastic and polymeric products	UV absorbing materials	Indian Pharmacopeia: 2018
2	BIOLOGICAL-TOXICOLOGY	Plastics and Polymeric test	Systemic Injection Test	IS 12709: 1994 RA 2009
3	BIOLOGICAL- WATER	Drinking water	Estimation of E.Coli	APHA, 23rd edition, 2017
4	BIOLOGICAL- WATER	Drinking water	Estimation of fecal coliforms	APHA, 23rd edition, 2017
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen dioxide	IS 5182 (Part 6): 2006
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (RSPM)	IS 5182 (Part 23):1999
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur dioxide	IS 5182 (Part 2): 2001
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Suspended Particulate Matter	IS 5182 (Part 04):2006
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1):1985
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur dioxide	IS 11255 (Part 2): 1985
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 (part 3): 2008
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 (part 3): 2008
13	CHEMICAL- PLASTIC & RESINS	Plastic and Polymeric Products	Heavy metals in plastic leachates	IS 12709:1994 (Clause 16.0)
14	CHEMICAL- PLASTIC & RESINS	Plastic and Polymeric Products	Overall/Global Migration.	IS 12709
15	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Cadmium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
16	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Calcium	APHA, 23rd edition: 2017, using AAS(3111B) Method 3500
17	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Chromium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500



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18	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Copper	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
19	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Iron	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
20	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Lead	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
21	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Magnesium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
22	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Manganese	Standard method APHA, 21st edition: 2019 : 2019: 2019
23	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Nickel	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
24	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Phosphate	APHA, 23rd edition: 2017, 4500-P-D
25	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Suspended solids	APHA, 23rd edition: 2017, 2540-D
26	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/ Sewage	Zinc	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
27	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	BOD	APHA, 23rd edition: 2017, 5210-B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Chloride	APHA, 23rd edition: 2017, 4500-Cl- -B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	COD	APHA, 23rd edition: 2017, 5520-C
30	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Cyanide	APHA, 23rd edition: 2017, 4500-CN-E
31	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Dissolved oxygen	APHA, 23rd edition: 2017, 5210-B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Dissolved solids	APHA, 23rd edition: 2017, 2540-C
33	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Fixed Solids	APHA, 23rd edition: 2017, 2540-E
34	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Fluoride	APHA, 23rd edition: 2017, 4500-F-D



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35	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Free residual chlorine	APHA, 23rd edition: 2017, 4500-Cl2-B,C
36	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Oil and Grease	APHA, 23rd edition: 2017, 5520-B
37	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	pH	APHA, 23rd edition: 2017, 4500-H+- B
38	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Phenol	APHA, 23rd edition: 2017, 5530-C
39	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Sulphate	APHA, 23rd edition: 2017, 4500-SO4-E
40	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Total nitrogen	APHA, 23rd edition: 2017, 4500-N-B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Total solids	APHA, 23rd edition: 2017, 2540-B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent/Sewage	Volatile Solids	APHA, 23rd edition: 2017, 2540-E
43	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Materials (Meat, Fish & Oils) Chlorinated (1.2.33)	pp-DDT,pp-DDD,op-DDT,pp-DDE,alpha_-endosulfan,Aldrin	AOAC 2007
44	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Materials (Meat, Fish & Oils)Chlorinated (1.2.33)	Delta-HCH	EN15662
45	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Materials (Meat, Fish & Oils)Chlorinated (1.2.33)	Gama-HCH	EN 15662
46	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Bifenthrin	AOAC 19thEd., 2012 :Chapter 10, 2007.01
47	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	L-Cyhalothrin	AOAC 19thEd., 2012 :Chapter 10, 2007.01
48	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	p,p'-DDE	AOAC 19thEd., 2012 :Chapter 10, 2007.01
49	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Quinolphos	AOAC 19thEd., 2012 :Chapter 10, 2007.01
50	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Beta-Endosulfan	AOAC 19thEd., 2012 :Chapter 10, 2007.01
51	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Products (Meat, Fish & Oils)	Alpha-Endosulfan	AOAC 19thEd., 2012 :Chapter 10, 2007.01
52	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Alpha-Cypermethrin	AOAC 19thEd., 2012 :Chapter 10, 2007.01
53	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Alpha-HCH	AOAC 19thEd., 2012 :Chapter 10, 2007.01



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54	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Products (Meat, Fish & Oils)	Beta-HCH	AOAC 19thEd., 2012 :Chapter 10, 2007.01
55	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Chlorpyrifos	AOAC 19thEd., 2012 :Chapter 10, 2007.01
56	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Products (Meat, Fish & Oils)	Delta-HCH	AOAC 19thEd., 2012 :Chapter 10, 2007.01
57	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Delta-Methrin	AOAC 19thEd., 2012 :Chapter 10, 2007.01
58	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Fenprothrin	AOAC 19thEd., 2012 :Chapter 10, 2007.01
59	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Fenvalerate	AOAC 19thEd., 2012 :Chapter 10, 2007.01:2012
60	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food Products (Meat, Fish & Oils)	Gamma-HCH	AOAC 19thEd., 2012 :Chapter 10, 2007.01
61	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Malathion	AOAC 19thEd., 2012 :Chapter 10, 2007.01
62	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	o,p-DDT	AOAC 19thEd., 2012 :Chapter 10, 2007.01
63	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	p,p', DDT	AOAC 19thEd., 2012 :Chapter 10, 2007.01
64	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	p,p'-DDD	AOAC 19thEd., 2012 :Chapter 10, 2007.01
65	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Food products (Meat, Fish & Oils)	Profenofos	AOAC 19thEd., 2012 :Chapter 10, 2007.01
66	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Low fat food commodities viz. Fruits, vegetables & cereals (1.2.33)	Alpha-HCH	AOAC
67	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Residues in Food Products- Food Materials (Meat, Fish & Oils) Chlorinated (1.2.33)	Beta-HCH	EN 15662
68	CHEMICAL- RESIDUES IN WATER	Drinking water	Cadmium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
69	CHEMICAL- RESIDUES IN WATER	Drinking water	Calcium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
70	CHEMICAL- RESIDUES IN WATER	Drinking water	Chromium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500



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71	CHEMICAL- RESIDUES IN WATER	Drinking water	Copper	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
72	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
73	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
74	CHEMICAL- RESIDUES IN WATER	Drinking water	Magnesium	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
75	CHEMICAL- RESIDUES IN WATER	Drinking water	Manganese	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
76	CHEMICAL- RESIDUES IN WATER	Drinking water	Mercury	EPA Method 7473(SW-846):2007
77	CHEMICAL- RESIDUES IN WATER	Drinking water	Nickel	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
78	CHEMICAL- RESIDUES IN WATER	Drinking water	Zinc	APHA, 23rd edition: 2017, using AAS (3111B) Method 3500
79	CHEMICAL- RESIDUES IN WATER	Water	Aldrin	APHA, 2017, 23rd Edition: 6630
80	CHEMICAL- RESIDUES IN WATER	Water	Alpha-endosulfan	APHA, 2017, 23rd Edition: 6630
81	CHEMICAL- RESIDUES IN WATER	Water	Alpha-HCH	APHA, 2017, 23rd Edition: 6630
82	CHEMICAL- RESIDUES IN WATER	water	Beta-endosulfan	APHA 2017, 23rd Edition: 6630
83	CHEMICAL- RESIDUES IN WATER	Water	Beta-HCH	APHA, 2017, 23rd Edition: 6630
84	CHEMICAL- RESIDUES IN WATER	Water	Delta-HCH	APHA, 2017, 23rd Edition: 6630
85	CHEMICAL- RESIDUES IN WATER	Water	Gamma-HCH	APHA, 2017, 23rd Edition: 6630
86	CHEMICAL- RESIDUES IN WATER	Water	Op-DDT	APHA, 2017, 23rd Edition: 6630



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87	CHEMICAL- RESIDUES IN WATER	Water	pp-DDD	APHA, 2017, 23rd Edition: 6630
88	CHEMICAL- RESIDUES IN WATER	Water	pp-DDE	APHA, 2017, 23rd Edition: 6630
89	CHEMICAL- RESIDUES IN WATER	Water	pp-DT	APHA, 2017, 23rd Edition: 6630
90	CHEMICAL- WATER	Drinking/Surface/Ground Water	Ammonical nitrogen	APHA, 23rd edition: 2017,4500-NH3-C
91	CHEMICAL- WATER	Drinking/Surface/Ground Water	Calcium hardness	APHA, 23rd edition: 2017,2340-C
92	CHEMICAL- WATER	Drinking/Surface/Ground Water	Chloride	APHA, 23rd edition: 2017,4500-Cl--B
93	CHEMICAL- WATER	Drinking/Surface/Ground Water	Dissolved solids	APHA, 23rd edition: 2017,2540-C
94	CHEMICAL- WATER	Drinking/Surface/Ground Water	Fluoride	APHA, 23rd edition: 2017,4500-F--D
95	CHEMICAL- WATER	Drinking/Surface/Ground Water	Free residual chlorine	APHA, 23rd edition: 2017,4500-Cl2-B,C
96	CHEMICAL- WATER	Drinking/Surface/Ground Water	Magnesium hardness	APHA, 23rd edition: 2017,2340-C
97	CHEMICAL- WATER	Drinking/Surface/Ground Water	Nitrate	APHA, 23rd edition:2017,4500-NO3-C
98	CHEMICAL- WATER	Drinking/Surface/Ground Water	pH	APHA, 23rd edition: 2017,4500-H+-B
99	CHEMICAL- WATER	Drinking/Surface/Ground Water	Phenol	APHA, 23rd edition:2017,5530-C
100	CHEMICAL- WATER	Drinking/Surface/Ground Water	Phosphate	APHA, 23rd edition:2017,4500-P-D
101	CHEMICAL- WATER	Drinking/Surface/Ground Water	Silica	APHA, 23rd edition:2017,4500-SiO2-C
102	CHEMICAL- WATER	Drinking/Surface/Ground Water	Sulphate	APHA, 23rd edition:2017,4500-SO4-E
103	CHEMICAL- WATER	Drinking/Surface/Ground Water	Suspended solids	APHA, 23rd edition: 2017,2540-D
104	CHEMICAL- WATER	Drinking/Surface/Ground Water	Total alkalinity	APHA, 23rd edition: 2017, 2320-B
105	CHEMICAL- WATER	Drinking/Surface/Ground Water	Total hardness	APHA, 23rd edition: 2017, 2340-C



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106	CHEMICAL- WATER	Drinking/Surface/Ground Water	Total solids	APHA, 23rd edition: 2017, 2540-B