



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name RAMAIAH ADVANCED TESTING LABORATORY, NO. 50, 80 FEET ROAD-NEW BEL ROAD JUNCTION, BBMP WARD NO. 19, SURVEY NO. 34/1, DEVASANDRA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5803 Page No. : 1 / 26

Validity 12/06/2019 to 11/06/2021 Last Amended on 24/06/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	BIOLOGICAL- ANIMAL FOOD & FEED	Dog Food, Fish Food	E.coli	IS 5887 (Part 1):1976 RA: 2013	Qualitative(Present/Absent/g or 10g or 25g)
2	BIOLOGICAL- ANIMAL FOOD & FEED	Dog Food, Fish Food	Total Bacterial Count	IS 5402:2012 RA: 2018	equal or greater than 10cfu/g
3	BIOLOGICAL- ANIMAL FOOD & FEED	Dog Food, Fish Food	Yeast and Mold Count	IS 5403:1999 RA: 2013	equal or greater than 10cfu/g
4	BIOLOGICAL- AYUSH PRODUCTS	Raw Materials-Plant based Formulations e.g Asava & Arista(e.g Draksharista, Balarista, Asavarista	Microbial limits: E.coli	Ayurvedic Pharmacopoeia of India (Part II), Vol. 2: 2008	Qualitative(Present/Absent/10g)
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry Powder	Yeast and Mold Count	IS 5403:1999 RA: 2013	equal or greater than 10cfu/g
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry Powder	E.coli	IS 5887 (Part 1):1976 RA: 2013	Qualitative(Present/Absent/g or 10g or 25g)
7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry Powder	Total Bacterial count	IS 5402:2012 RA: 2018	10 cfu/g to 1,00,000 cfu/g
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nutritional Supplements, Ready to Eat, Food Noodles, Cooked Food	E.coli	IS 5887 (Part 1):1976: 2013	Qualitative(Present/Absent/g or 10g or 25g)
9	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nutritional Supplements, Ready to Eat, Food Noodles, Cooked Food	Total Bacterial count	5402:2012 RA: 2018	equal or greater than 10cfu/g



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10	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nutritional Supplements, Ready to Eat, Food Noodles, Cooked Food	Total Fungal count	IS 5403:1999 RA: 2013	equal or greater than 10cfu/g
11	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Atta	E.coli	IS 5887 (Part 1): 1976	Qualitative(Present/Absent/g or 10g or 25g)
12	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Atta	Total Bacterial count	IS 5402:2012 RA: 2018	equal or greater than 10cfu/g
13	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Atta	Yeast and Mold Count	IS 5403:1999 RA: 2013	equal or greater than 10cfu/g
14	BIOLOGICAL- WATER	Borewell Water	Coliform Organism	IS 1622:1981 RA: 2014	Qualitative(Present/Absent/100ml)
15	BIOLOGICAL- WATER	Borewell Water	E.coli	IS 1622:1981 RA: 2014	Qualitative(Present/Absent/100ml/250ml)
16	BIOLOGICAL- WATER	Borewell Water	Total Bacterial count	IS 1622:1981 RA: 2014	equal or greater than 1cfu/ml
17	BIOLOGICAL- WATER	Borewell Water	Total Yeast & Mold count	IS 5403:1999 RA: 2013	1 cfu/ml to 1000 cfu/ml
18	CHEMICAL- AYUSH PRODUCTS	Formulations: Asava & Arista, (saribadyasavam)	Arsenic, as As	RATL/SOP/460 Issue No.1: 2018	50 µg/Kg to 10000 µg/Kg
19	CHEMICAL- AYUSH PRODUCTS	Formulations: Asava & Arista, (saribadyasavam)	Cadmium, as Cd	RATL/SOP/460 Issue No.1: 2018	50 µg/Kg to 10000 µg/Kg
20	CHEMICAL- AYUSH PRODUCTS	Formulations: Asava & Arista, (saribadyasavam)	Chromium, as Cr	RATL/SOP/460 Issue No.1: 2018	50 µg/Kg to 10000 µg/Kg



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21	CHEMICAL- AYUSH PRODUCTS	Formulations: Asava & Arista, (saribadyasavam)	Lead, as Pb	RATL/SOP/460, Issue No.01: 2018	50 µg/Kg to 10000 µg/Kg
22	CHEMICAL- AYUSH PRODUCTS	Formulations: Asava & Arista, (saribadyasavam)	Mercury, as Hg	RATL/SOP/460 Issue No.1: 2018	50 µg/Kg to 10000 µg/Kg
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Acid Insoluble ash	IS 14433: 2007	0.05 %w/w to 20 %w/w
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Carbohydrate	IS 1656: 2007	1 %w/w to 85 %w/w
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Energy	RATL/SOP/45 Issue No.1: 2016	10 KCal/100g to 5000 KCal/100g
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Fat	IS 7874 (Part 1): 1975	0.1 %w/w to 50 %w/w
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Fibre	IS 7874 (Part 1): 1975	0.1 %w/w to 25 %w/w
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Moisture	IS 7874 (Part 1): 1975	0.1 %w/w to 70 %w/w
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Protein	IS 7219: 1973	0.5 %w/w to 60 %w/w
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Protein	IS 7874 (Part 1): 1975	0.5 %w/w to 60 %w/w



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31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Total ash	IS 14433: 2007	0.1 %w/w to 20 %w/w
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Total ash	IS 7874 (Part 1) : 1975	0.1 %w/w to 20 %w/w
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Confectionery Chocolates, Biscuits, Cookies	Acid Insoluble ash	IS 7874 (Part 1): 1975	0.05 %w/w to 20 %w/w
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander [powder, Chilli powder, Curry powder, Turmeric Powder	Total ash	IS 14433: 2007	0.1 %w/w to 20 %w/w
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander powder, Chilli Powder, Curry Powder, Turmeric Powder	Acid insoluble Ash	IS 14433: 2007	0.05 %w/w to 20 %w/w
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Acid Insoluble ash	IS 7874 (Part 1) : 1975	0.05 %w/w to 20 %w/w
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Carbohydrate	IS 1656: 2007	1 %w/w to 80 %w/w
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Energy	RATL/SOP/45 Issue no.01, Issue Date 15.05.2016: 2016	10 KCal/100g to 5000 KCal/100g



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39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Fat	IS 7874 (Part 1): 1975	0.1 %w/w to 50 %w/w
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Fibre	IS 7874 (Part 1): 1975	0.1 %w/w to 25 %w/w
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Moisture	IS 7874 (Part 1): 1975	0.1 %w/w to 70 %w/w
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Protein	IS 7874 (Part 1): 1975	0.5 %w/w to 60 %w/w
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Protein	IS 7219: 1973	0.5 %w/w to 60 %w/w
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corriander Powder, Chilli Powder, Curry powder, Turmeric Powder	Total Ash	IS 7874 (Part 1): 1975	0.1 %w/w to 20 %w/w
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desi Butter	Fat	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 90 %w/w



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46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desahi butter	Moisture	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 20 %w/w
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desahi Butter	Salt	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 5 %w/w
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee/Butter fat/Butter oil/anhydrous milk fat/anhydrous Butter oil	Detection of Vanaspati in Ghee (Boudoin test)	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	Qualitative(Present/Absent)
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee/Butter fat/Butter oil/anhydrous milk fat/anhydrous Butter oil	Free fatty acid	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 5 %w/w
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee/Butter fat/Butter oil/anhydrous milk fat/anhydrous Butter oil	Moisture	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 5 %w/w
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ice cream, Softy Ice cream,Chocolate Ice cream,Kulfi,Milk Ices or Milk Lollies & frozen Dessert/Confection	Fat	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 % w/w to 15 %w/w
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoa	Detection of added starch	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	Qualitative(Present/Absent)



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53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoa	Fat	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 50 %w/w
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoa	Moisture	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 40 %w/w
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk powder, Infant Milk food, Infant formula, Milk Cereal Weaning food, Processed Cereal based Weaning food, Dairy Whitener	Fat	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 5 %w/w
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk powder, Infant Milk food, Infant formula, Milk Cereal Weaning food, Processed Cereal based Weaning food, Dairy Whitener	Moisture	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 10 %w/w
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Curd, Khoa, Paneer, Ice creams, Milk powder, Infant Milk food, Weaning food, Butter, Ghee, Dairy Whitener.	Adulteration tests in Milk & Milk products: Detection of Starch, Added Urea.	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	Qualitative(Present/Absent)
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Curd	Fat by Gerber method	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 10 %w/w



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59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer	Fat	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	0.1 %w/w to 60 %w/w
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer	Moisture	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	10 %w/w to 65 %w/w
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer	Starch	FSSAI Manual of Methods of Analysis of Foods-Milk and Milk Products: 2016	Qualitative(Present/Absent)
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Acid Insoluble Ash	IS 7874 (Part 1) : 1975	0.05 %w/w to 20 %w/w
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Acid Insoluble Ash	IS 14433: 2007	0.05 %w/w to 20 %w/w
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Carbohydrate	IS 1656: 2007	1 %w/w to 80 %w/w
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Energy	RATL/SOP/45, Issue No.1, Issue date: 2016	10 KCal/100g to 5000 KCal/100g
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Fat	IS 7874 (Part 1): 1975	0.1 %w/w to 50 %w/w
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Fibre	IS 7874 (Part 1): 1975	0.1 %w/w to 25 %w/w



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68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Moisture	IS 7874 (Part 1): 1975	0.1 %w/w to 70 %w/w
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Protein	IS 7874 (Part 1): 1975	0.5 %w/w to 60 %w/w
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Sodium	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	1 mg/kg to 100 mg/kg
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Total Ash	IS 7874 (Part 1): 1975	0.1 %w/w to 20 %w/w
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Total ash	IS 14433: 2007	0.1 %w/w to 20 %w/w
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Eat Food, Noodles, Cooked Food	Total Protein	IS 7219: 1973	0.5 %w/w to 60 %w/w
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Acid insoluble ash	IS 14433: 2007	0.05 %w/w to 20 %w/w
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Acid Insoluble ash	IS 7874 (Part 1) : 1975	0.05 %w/w to 20 %w/w
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Carbohydrate	IS 1656: 2007	1 %w/w to 80 %w/w



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77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Energy	RATL/SOP/45 Issue No. 01:: 2016	10 KCal/100g to 5000 KCal/100g
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Fat	IS 7874 (Part 1): 1975	0.1 %w/w to 50 %w/w
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Fibre	IS 7874 (Part 1): 1975	0.1 %w/w to 25 %w/w
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Moisture	IS 7874 (Part 1): 1975	0.1 %w/w to 70 %w/w
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat atta, Rice, Toor Dhal, Udad Dhal	Protein	IS 7219: 1973	0.5 %w/w to 60 %w/w
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Protein	IS 7874 (Part 1): 1975	0.5 %w/w to 60 %w/w
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Total ash	IS 7874 (Part 1) : 1975	0.1 %w/w to 20 %w/w
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Rice, Toor Dhal, Udad Dhal	Total Ash	IS 14433: 2007	0.1 %w/w to 20 %w/w
85	CHEMICAL- GASES	Gaseous Residue	Ethylene Oxide residue	United States Pharmacopoeia 35 <228>: 2011	200 mg/L to 1000 mg/L
86	CHEMICAL- GASES	Gaseous Residue- Ethylene Oxide residue	Ethylene Oxide content	ISO 10993 (Part 7)- 2008: 2008	200 mg/ml to 1000 mg/ml



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87	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human blood-Toxic Metals	Aluminium,as Al	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
88	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Antimony, as Sb	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
89	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Arsenic, as As	RATL/SOP/456 : 2018	1 µg/L to 1000 µg/L
90	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Barium,as Ba	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
91	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Beryllium,as Be	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
92	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human blood-Toxic Metals	Cadmium,as Cd	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
93	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Cerium, as Ce	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
94	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic metals	Cesium,as Cs	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
95	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Chromium,as Cr	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
96	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Cobalt,as Co	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
97	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Copper,as Cu	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
98	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human blood-Toxic Metals	Lead,as Pb	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
99	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Lithium,as Li	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
100	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human blood-Toxic Metals	Manganese,Mn	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
101	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Mercury, as Hg	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
102	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Nickel, as Ni	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
103	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Rubidium, Rb	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
104	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic metals	Selenium, as Se	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
105	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human blood-Toxic Metals	Silver, as Ag	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
106	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Strontium, as Sr	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
107	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Thallium, as Tl	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
108	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Tin, as Sn	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
109	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Uranium, as U	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
110	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Blood-Toxic Metals	Vanadium, as V	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
111	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human blood-Toxic Metals	Zinc, as Zn	RATL/SOP/456: 2018	1 µg/L to 1000 µg/L
112	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Aluminium, as Al	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
113	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Antimony, as Sb	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
114	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Arsenic, as As	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
115	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Barium,as Ba	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
116	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Beryllium,as Be	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
117	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Cadmium,as Cd	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
118	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Cerium,as Ce	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
119	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Cesium,as Cs	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
120	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Chromium,as Cr	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
121	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Cobalt,as Co	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
122	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Copper, as Cu	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
123	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Iron, as Fe	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
124	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human hair-Toxic Metals	Lead, as Pb	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
125	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Lithium, as Li	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
126	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Manganese, as Mn	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
127	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Mercury, as Hg	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
128	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human hair-Toxic Metals	Nickel, as Ni	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg



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129	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Rubidium,as Rb	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
130	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Selenium,as Se	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
131	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human hair-Toxic Metals	Silver,as Ag	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
132	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Strontium,as Sr	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
133	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Thallium,as Tl	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
134	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Tin,as Sn	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
135	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Uranium,as U	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
136	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Hair-Toxic Metals	Vanadium,as V	RATL/SOP/458: 2018	1 µg/Kg to 1000 µg/Kg
137	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Aluminium,as Al	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
138	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Antimony,as Sb	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
139	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human urine-Toxic Metals	Arsenic,as As	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
140	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Barium, as Ba	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
141	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Beryllium,as Be	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
142	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Cadmium,as Cd	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
143	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Cerium,as Ce	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
144	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Cesium,as Cs	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
145	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Chromium,as Cr	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
146	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Cobalt,as Co	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
147	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Copper,as Cu	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
148	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Iron,as Fe	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
149	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Lead,as Pb	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
150	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human urine-Toxic Metals	Lithium, as Li	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
151	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human urine-Toxic Metals	Manganese, as Mn	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
152	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Mercury, as Hg	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
153	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human urine-Toxic Metals	Nickel, as Ni	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
154	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Rubidium, as Rb	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
155	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Selenium, as Se	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
156	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Silver, as	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
157	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Strontium,as Sr	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
158	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human urine-Toxic Metals	Thallium,as Tl	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
159	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Tin,as Sn	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
160	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human Urine-Toxic Metals	Uranium,as U	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
161	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Human urine-Toxic Metals	Zinc,as Zn	RATL/SOP/457: 2018	1 µg/L to 1000 µg/L
162	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Therapeutic Drug Content: Human Blood	Immunosuppressant Tacrolimus	RATL/SOP/437 Issue No.1: 2016	2 ng/ml to 200 ng/ml
163	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Therapeutic Drug Content: Human plasma	Amikacin	RATL/SOP/435, Issue No.1,; 2016	1 µg/ml to 40 µg/ml



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164	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Therapeutic Drug content: Human Plasma	Gentamicin	RATL/SOP/435 Issue No.1: 2016	1 mg/L to 40 mg/L
165	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Therapeutic Drug Content: Human Plasma	Methotrexate	RATL/SOP/435 Issue No.1: 2016	6 ng/ml to 500 ng/ml
166	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Therapeutic Drug Content: Human Plasma	Vancomycin	RATL/SOP/435, Issue No.1,: 2016	1 mg/L to 40 mg/L
167	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Therapeutic Drug Content: Human plasma	Vitamin D (as 25-OH Vitamin D)	RATL/SOP/436 Issue No.1 : 2016	4 ng/ml to 100 ng/ml
168	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Antimony, as Sb	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
169	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Arsenic, as As	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
170	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Cadmium, as Cd	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
171	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food products	Chromium,as Cr	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
172	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Copper, as Cu	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
173	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Lead,as Pb	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
174	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Mercury, as Hg	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
175	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Nickel, as Ni	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
176	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Tin as Sn	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
177	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Food Products	Zinc, as Zn	FSSAI Manual of Methods of Analysis of Foods-Metals (Analysis of Metals by ICP OES/ICP MS): 2016	50 µg/kg to 10000 µg/kg
178	CHEMICAL-RESIDUES IN WATER	Water	Aluminium,as Al	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
179	CHEMICAL-RESIDUES IN WATER	Water	Arsenic, as As	IS 3025(Part 2): 2004	50 µg/L to 10000 µg/L
180	CHEMICAL-RESIDUES IN WATER	Water	Barium, as Ba	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
181	CHEMICAL-RESIDUES IN WATER	Water	Boron, as B	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
182	CHEMICAL-RESIDUES IN WATER	Water	Cadmium,as Cd	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
183	CHEMICAL-RESIDUES IN WATER	Water	Calcium,as Ca	IS 3025 (Part 40): 1991	1 mg/L to 5000 mg/L
184	CHEMICAL-RESIDUES IN WATER	Water	Chromium,as Cr	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
185	CHEMICAL-RESIDUES IN WATER	Water	Copper, as Cu	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
186	CHEMICAL-RESIDUES IN WATER	Water	Iron,as Fe	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
187	CHEMICAL-RESIDUES IN WATER	Water	Lead, as Pb	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
188	CHEMICAL-RESIDUES IN WATER	Water	Magnesium,as Mg	IS 3025 (Part 46): 1994	50 mg/L to 5000 mg/L
189	CHEMICAL-RESIDUES IN WATER	Water	Manganese, as Mn	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L



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190	CHEMICAL-RESIDUES IN WATER	Water	Mercury,as Hg	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
191	CHEMICAL-RESIDUES IN WATER	Water	Nickel,as Ni	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
192	CHEMICAL-RESIDUES IN WATER	Water	Potassium, as K	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
193	CHEMICAL-RESIDUES IN WATER	Water	Selenium, as Se	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
194	CHEMICAL-RESIDUES IN WATER	Water	Silver,as Ag	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
195	CHEMICAL-RESIDUES IN WATER	Water	Sodium, as Na	IS 3025 (Part 45): 1993	1 mg/L to 1000 mg/L
196	CHEMICAL-RESIDUES IN WATER	Water	Zinc,as Zn	IS 3025 (Part 2): 2004	50 µg/L to 10000 µg/L
197	CHEMICAL- WATER	Borewell Water	Alkalinity, as CaCO ₃	IS 3025 (Part 23): 1986 RA 2014.	1 mg/L to 10000 mg/L
198	CHEMICAL- WATER	Borewell Water	Ammonia	IS 3025 (Part 34): 1988 RA 2014	0.5 mg/L to 100 mg/L
199	CHEMICAL- WATER	Borewell Water	Chloride, as Cl	IS 3025 (Part 32): 1988 RA 2014	1 mg/L to 5000 mg/L
200	CHEMICAL- WATER	Borewell Water	Color	RATL/SOP/23 Issue No.1 : 2016	Qualitative
201	CHEMICAL- WATER	Borewell Water	Conductivity at 25°C	IS 3025 (Part 14): 1984	0.5 µS/cm to 10000 µS/cm
202	CHEMICAL- WATER	Borewell water	Fluoride, as F	IS 3025 (Part 60): 2008 RA 2013	0.1 mg/L to 10 mg/L
203	CHEMICAL- WATER	Borewell Water	Nitrate, as NO ₃	APHA 4500-NO ₃ B: 2017	0.5 mg/L to 1000 mg/L



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name RAMAIAH ADVANCED TESTING LABORATORY, NO. 50, 80 FEET ROAD-NEW BEL ROAD JUNCTION, BBMP WARD NO. 19, SURVEY NO. 34/1, DEVASANDRA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5803 Page No. : 26 / 26

Validity 12/06/2019 to 11/06/2021 Last Amended on 24/06/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
204	CHEMICAL- WATER	Borewell Water	Odour	IS 3025 (Part 5): 1983 RA 2012	Qualitative(Agreeable or disagreeable.)
205	CHEMICAL- WATER	Borewell Water	pH at 25° C	IS 3025 (Part 11): 1983 RA 2017	2 to 12
206	CHEMICAL- WATER	Borewell Water	Phenolic Compounds	IS 3025 (Part 43): 1992 RA 2014	0.001 mg/L to 10 mg/L
207	CHEMICAL- WATER	Borewell Water	Residual Free Chlorine	IS 3025 (Part 26): 1986 RA 2014	01 mg/L to 100 mg/L
208	CHEMICAL- WATER	Borewell Water	Sulphate, as SO ₄	IS 3025 (Part 24): 1986 RA 2014	1 mg/L to 500 mg/L
209	CHEMICAL- WATER	Borewell Water	Sulphide	IS 3025 (Part 29): 1986 RA 2014	0.01 mg/L to 10 mg/L
210	CHEMICAL- WATER	Borewell Water	Total dissolved solids	IS 3025 (Part 16): 1984 RA 2017	1 mg/L to 10000 mg/L
211	CHEMICAL- WATER	Borewell Water	Total Hardness, as CaCO ₃	IS 3025 (Part 21): 2009 RA 2014	1 mg/L to 10000 mg/L
212	CHEMICAL- WATER	Borewell Water	Turbidity	IS 3025 (Part 10): 1984 RA 2017	0.1 NTU to 10 NTU