

- 1. ID PROOF OF RQP**
- 2. RQP CERTIFICATE**
- 3. NABET CERTIFICATE OF
EIA CONSULTANCY**
- 4. NABL CERTIFICATE OF
LABORATORY**



ഭാരത സർക്കാർ
GOVERNMENT OF INDIA



മഹേഷ് എസ്
Mahesh S
ജനന വർഷം / Year of Birth : 1973
പുരുഷൻ / Male



2098 0230 4902

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം



ഭാരതീയ സവിശേഷ തിരിച്ചറിയൽ അതോറിറ്റി
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

മേൽവിലാസം:
S/O പി സുരേന്ദ്രൻ പിള്ള,
രഞ്ജിനാഥ് നവദീപം, പേട്ട,
തിരുവനന്തപുരം, തിരുവനന്തപുരം
പേട്ട, കേരളം, 695024

Address:
S/O P Surendran Pillai, 24
Navadeepam, Pettah,
Thiruvananthapuram,
Thiruvananthapuram Pettah,
Kerala, 695024

1947
1800 180 1947

help@uidai.gov.in

www.uidai.gov.in

P.O. Box No. 1947,
Bengaluru-560 001



खननयोजना तैयार करने के लिए अर्हता प्राप्त व्यक्ति के रूप में मान्यता

प्रमाण पत्र

CERTIFICATE OF RECOGNITION AS QUALIFIED PERSON TO PREPARE MINING PLAN

(खनिज रियायत नियमावली 1960 के नियम 22सी के अंतर्गत)

(Under Rule 22C of Mineral Concession Rules, 1960)

श्री महेश एस. पुत्र श्री पी. सुरेन्द्रन पिल्लई, निवासी - टी.सी. - 31/580, नवदीपम, एस.एन. नगर, हाउस नं. 24, पेडा पोस्ट ऑफिस, त्रिवेन्द्रम, तालुक - त्रिवेन्द्रम, जिला - त्रिवेन्द्रम 695024, राज्य केरला, जिनका फोटो एवं हस्ताक्षर दिया गया है उनकी योग्यता तथा अनुभवों के संतोषजनक प्रमाण पत्र देने के एवज में एतद द्वारा खनिज रियायत नियमावली 1960 के नियम 22 सी के अंतर्गत खनन योजना / खनन अभियोजना / उतरोत्तर-खान बंद/ अंतिम खान बंद करने की योजना तैयार करने के लिये अर्हता प्राप्त व्यक्ति के रूप में मान्यता दी जाती है।

Shri Mahesh S. son of Shri P.Surendran Pillai, resident of :-T.C 31/580, Navadeepam S.N Nagar, House No.-24, Pettah Post Office, Trivandrum, Taluk- Trivandrum,

District- Trivandrum-695024, State- Kerala whose Photograph and Signature is appended herewith having given satisfactory evidence of his qualifications & experience is hereby granted RECOGNITION under Rule 22C of the Mineral Concession Rules, 1960 as a Qualified Person to prepare Mining Plan / Scheme of Mining / Progressive Mine Closure Plan / Final Mine closure plan.

उनका पंजीकरण क्रमांक/ His Registration Number is

आर.क्यू.पी./बेंग/338/2014/ए

/

RQP/BNG/338/2014/A

यह मान्यता दस वर्ष की अवधि के लिए वैध है जो दिनांक 01.07.2024 को समाप्त होगी।

The recognition is valid for a period of Ten Years, ending on 01.07.2024.

खनन योजना / खनन अभियोजना / उतरोत्तर खान बंद/ अंतिम खान बंद करने की योजना में यदि कोई गलत/झूठ सूचनाएँ दी गई हो तो उनका यह प्रमाण पत्र वापस ले लिया जाएगा।

Furnishing any wrong/false information in the Mining Plan/Scheme of Mining / PMCP / FMCP may lead to withdrawal of this certificate.

आर.क्यू. पी. के हस्ताक्षर / Signature of RQP

स्थान/Place: बेंगलोर/Bangalore

दिनांक/Date: 02.07.2014

क्षेत्रीय खान नियंत्रक/
02.07.14

Regional Controller of Mines

B. RAM MOHAN

Regional Controller of Mines

क्षेत्रीय खान नियंत्रक

भारतीय खान ब्यूरो

Indian Bureau of Mines

दस्तावेज/बेंगलूर/BANGALORE



Quality Council of India



National Accreditation Board for
Education & Training

CERTIFICATE OF ACCREDITATION

Ultra-Tech, Environmental Consultancy and Laboratory

206, 224-225, Jai Commercial Complex,
Eastern Express Highway, Opp. Cadbury,
Khopat, Thane (West) - 400 601

Accredited as **Category - A** organization under the QCI-NABET Scheme for Accreditation of EIA Consultant Organizations: Version 3 for preparing EIA-EMP reports in the following Sectors:

Sl. No.	Sector Description	Sector (as per)		Cat.
		NABET	MoEFCC	
1	Mining of minerals including Open cast/ Underground mining	1	1 (a) (i)	A
2	Offshore & Onshore Oil and gas exploration, development & production	2	1 (b)	A
3	River Valley, Hydel, Drainage and Irrigation projects	3	1 (c)	A
4	Thermal Power Plants	4	1 (d)	B
5	Metallurgical industries- (ferrous & non-ferrous) - both primary and secondary	8	3 (a)	A
6	Cement Plants	9	3 (b)	B
7	Synthetic organic chemicals industry	21	5 (f)	B
8	Distilleries	22	5 (g)	A
9	Sugar Industry	25	5 (j)	B
10	Oil & gas transportation pipeline	27	6 (a)	A
11	Isolated storage & handling of hazardous chemicals	28	6 (b)	B
12	Ports, harbours, jetties, marine terminals, break waters and dredging	33	7 (e)	A
13	Highways	34	7 (f)	A
14	Common Effluent Treatment Plants (CETPs)	36	7 (h)	B
15	Common Municipal Solid Waste Management Facility (CMSWMF)	37	7 (i)	B
16	Building and construction projects	38	8 (a)	B
17	Townships and Area development projects	39	8 (b)	A

Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in RA AC minutes dated Mar. 16, 2018 posted on QCI-NABET website.

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/18/0627 dated May 28, 2018. The accreditation needs to be renewed before the expiry date by Ultra-Tech, Environmental Consultancy and Laboratory, Thane, following due process of assessment.


Sr. Director, NABET
Dated: May 28, 2018

Certificate No.
NABET/ EIA/1720/ RA 0094

Valid till
10.03.2020

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to QCI-NABET website.



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

ENVIRODESIGNS ECO LABS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

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

for its facilities at

Eco Tower, Janatha Jn., Palarivattom,

Kochi, Kerala

in the field of

TESTING

Certificate Number TC-7114

Issue Date 23/12/2018

Valid Until 22/12/2020

"In view of the transition for ISO/IEC 17025:2017, the validity of this certificate will cease on 30.11.2020"

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)

Signed for and on behalf of NABL



89076970100030001071

Anil Relia

Anil Relia
Chief Executive Officer



**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

ENVIRODESIGNS ECO LABS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

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

for its facilities at

ECO TOWER, JANATHA JN., PALARIVATTOM, KOCHI, KERALA, INDIA

in the field of

TESTING

Certificate Number: TC-7114

Issue Date: 18/12/2020

Valid Until: 22/12/2020*

* The validity is extended for one year up to 22.12.2021

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)

Name of Legal Identity : ENVIRODESIGNS ECO LABS

Signed for and on behalf of NABL

Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

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Laboratory Name :	ENVIRODESIGNS ECO LABS, ECO TOWER, JANATHA JN., PALARIVATTOM, KOCHI, KERALA, INDIA	Page No	1 of 32
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Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

* The validity is extended for one year up to 22.12.2021

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- ENVIRONMENT AND POLLUTION	Swabs (Hand swab / Surface swab / Equipment swab etc.)	E.coli	EEL/WP/111 (Issue No. 3.0 dt. 01.10.12, Rev. No. 1
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Swabs (Hand swab / Surface swab / Equipment swab etc.)	Staphylococcus aureus	EEL/WP/111 (Issue No. 3.0 dt. 01.10.12, Rev. No. 1
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Swabs (Hand swab / Surface swab / Equipment swab etc.)	Total coliforms	EEL/WP/111 (Issue No. 3.0 dt. 01.10.12, Rev. No. 1
4	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Swabs (Hand swab/Surface swab/Equipment swab etc.)	Aerobic microbial count at 30 OC for 72 hrs	EEL/WP/111 :Issue No. 3.0 dt. 01.10.12, Rev. No. 1
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Aerobic microbial count at 30 OC for 72 hrs	IS 5402
7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	E. coli	IS: 5887 (Part 1)
9	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Listeria monocytogenes	IS 14988 (Part 1)
10	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Salmonella	IS: 5887 (Part 3)
11	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Staphylococcus aureus	IS 5887 (Part 8/Sec.1)
12	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Total coliforms count	IS: 5401 (Part 1)
13	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Total coliforms count	IS: 5401 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

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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
14	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Yeast & Mould count	IS: 5403
15	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery products	Yeast & Mould count	IS: 5403
16	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
17	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	E. coli	IS: 5887 (Part 1)
18	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Listeria monocytogenes	IS 14988 (Part 1)
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Salmonella	IS: 5887 (Part 3)
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Total coliforms count	IS: 5401 (Part 1)
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Yeast & Mould count	IS: 5403
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	E. coli	IS: 5887 (Part 1)
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	Total coliforms count	IS: 5401 (Part 1)
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	Listeria monocytogenes	IS 14988 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

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ENVIRODESIGNS ECO LABS, ECO TOWER, JANATHA JN., PALARIVATTOM, KOCHI, KERALA, INDIA

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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
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	Salmonella	IS: 5887 (Part 3)
28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals,pulses, and Cereal Products	Yeast & Mould count	IS: 5403
30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	E. coli	IS: 5887 (Part 1)
33	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Listeria monocytogenes	IS 14988 (Part 1)
34	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Salmonella	IS: 5887 (Part 3)
35	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
36	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
37	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Total coliforms count	IS: 5401 (Part 1)
38	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Total coliforms count	IS: 5401 (Part 1)
39	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Yeast & Mould count	IS: 5403



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40	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables and their products	Yeast & Mould count	IS: 5403
41	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	Listeria monocytogenes	IS 14988 (Part 1)
42	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
43	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	E. coli	IS: 5887 (Part 1)
44	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	Salmonella	IS: 5887 (Part 3)
45	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
46	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	Total coliforms count	IS: 5401 (Part 1)
47	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & condiments	Yeast & Mould count	IS: 5403
48	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
49	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Aerobic microbial count at 30 OC for 72 hrs	IS: 5402
50	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	E. coli	IS: 5887 (Part 1)
51	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Listeria monocytogenes	IS 14988 (Part 1)
52	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Salmonella	IS: 5887 (Part 3)



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53	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
54	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
55	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Total coliforms count	IS: 5401 (Part 1)
56	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Total coliforms count	IS: 5401 (Part 1)
57	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Yeast & Mould count	IS: 5403
58	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Yeast & Mould count	IS: 5403
59	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw & Cooked Food	E. coli	IS: 5887 (Part 1)
60	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw & Cooked Food	Listeria monocytogenes	IS 14988 (Part 1)
61	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw & Cooked Food	Salmonella	IS: 5887 (Part 3)
62	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw & Cooked Food	Staphylococcus aureus	IS: 5887 (Part 8/Sec.1)
63	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw & Cooked Food	Total coliforms count	IS: 5401 (Part 1)
64	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw & Cooked Food	Yeast & Mould count	IS: 5403
65	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	E. coli or thermotolerant coliform bacteria	IS :1622
66	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	E. coli or thermotolerant coliform bacteria	IS :1622



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67	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	E. coli or thermotolerant coliform bacteria	IS: 15185
68	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	Faecal coliforms	IS :1622
69	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	Faecal coliforms	IS :1622
70	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	Faecal coliforms	IS: 15185
71	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	Total coliform bacteria	IS :1622
72	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	Total coliform bacteria	IS :1622
73	BIOLOGICAL- WATER	Drinking Water / Treated Water/ Packaged Drinking Water / Natural Mineral Water	Total coliform bacteria	IS: 15185
74	BIOLOGICAL- WATER	Ground Water/ Surface Water	E. coli or thermotolerant coliform bacteria	IS 15185
75	BIOLOGICAL- WATER	Ground Water/ Surface Water	E. coli or thermotolerant coliform bacteria	IS 1622
76	BIOLOGICAL- WATER	Ground Water/ Surface Water	E. coli or thermotolerant coliform bacteria	IS 1622
77	BIOLOGICAL- WATER	Ground Water/ Surface Water	Faecal coliforms	IS 1622
78	BIOLOGICAL- WATER	Ground Water/ Surface Water	Faecal coliforms	IS 1622
79	BIOLOGICAL- WATER	Ground Water/ Surface Water	Standard Plate count at 37 °C for 48 hrs	IS 1622
80	BIOLOGICAL- WATER	Ground Water/ Surface Water	Total coliform bacteria	IS 15185
81	BIOLOGICAL- WATER	Ground Water/ Surface Water	Total coliform bacteria	IS 1622
82	BIOLOGICAL- WATER	Water for Ice	Coliform bacteria	IS :1622
83	BIOLOGICAL- WATER	Water for Ice	Coliform bacteria	IS 15185
84	BIOLOGICAL- WATER	Water for Ice	Standard plate Count at 37 °C for 48 hrs	IS :1622
85	BIOLOGICAL- WATER	Water for Processed Food Industry	Proteolytic Organisms count	IS: 4251 Appendix A
86	BIOLOGICAL- WATER	Water for Processed Food Industry	Coliform bacteria	IS :1622
87	BIOLOGICAL- WATER	Water for Processed Food Industry	Lipolytic Organisms count	IS: 4251 Appendix A
88	BIOLOGICAL- WATER	Water for Processed Food Industry	Standard Plate count at 37 0 C for 48 hrs	IS :1622



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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	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Coliform Organisms	IS :1622
90	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Standard Plate count at 35.0 ± 0.5 O C for 24 hrs.	IS: 3328 - Annex A
91	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient / Source Noise Levels (Plant area)	Leq-Equivalent noise level	IS 9989
92	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Ammonia	CPCB guidelines
93	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Arsenic	CPCB guidelines
94	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Benzene	IS 5182 (Part 11)
95	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Benzo (a) Pyrene	CPCB guidelines
96	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Carbon monoxide	IS 5182 (Part 10)
97	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Hydrogen sulphide	IS 5182 (Part 7)
98	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Lead	CPCB guidelines
99	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Nickel	CPCB guidelines
100	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Nitrogen dioxide	IS 5182 (Part 6)
101	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Ozone	CPCB guidelines
102	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Particulate Matter (Size less than 10µm) or PM10	IS 5182(Part 23)
103	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Particulate Matter (Size less than 2.5µm) or PM2.5	CPCB guidelines
104	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Sulphur dioxide	IS 5182 (Part 2)
105	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air / In plant Air quality / Fugitive emission Monitoring as per CPCB / KSPCB specifications	Suspended Particulate Matter	IS 5182 (Part 4)
106	CHEMICAL- ATMOSPHERIC POLLUTION	Flue gas monitoring	CO	Instrumental method (SOP No. EEL/ENV/MP/01) based on manufactures manual for flue gas analyzer



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107	CHEMICAL- ATMOSPHERIC POLLUTION	Flue gas monitoring	CO2	Instrumental method (SOP No. EEL/ENV/MP/01) based on manufactures manual for flue gas analyzer
108	CHEMICAL- ATMOSPHERIC POLLUTION	Flue gas monitoring	O2	Instrumental method (SOP No. EEL/ENV/MP/01) based on manufactures manual for flue gas analyzer
109	CHEMICAL- ATMOSPHERIC POLLUTION	Heat Stress	Wet bulb globe temp.	Instrumental method (SOP No. EEL/ENV/MP/01)
110	CHEMICAL- ATMOSPHERIC POLLUTION	Light intensity monitoring	Illumination	Instrumental method (SOP No. EEL/ENV/MP/01)
111	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia	IS: 11255 (Part 6)
112	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon monoxide	USEPA method 10
113	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Flow Rate	IS 11255 (Part 3)
114	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Fluoride	USEPA method 13 A
115	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Hydrogen sulphide	IS 11255 (Part 4)
116	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Hydrogen sulphide	USEPA method 11
117	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Lead	USEPA method 29
118	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Mercury	USEPA method 29
119	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Nickel	USEPA method 29
120	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255 (Part 7)
121	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	USEPA method 7
122	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1)
123	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	USEPA method 5



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124	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur dioxide	USEPA method 6
125	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur dioxide	IS 11255 (Part 2)
126	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphuric Acid emission	USEPA method 8
127	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Temperature	IS 11255 (Part 3)
128	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Vanadium	USEPA method 29
129	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Velocity	IS 11255 (Part 3)
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Acid insoluble ash	FSSAI Lab Manual for Beverages, Sugar & Confectionery products C6
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Ash	IS 12711
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Ash sulphated	FSSAI Lab Manual for Beverages, Sugar & Confectionery products A3
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Cocoa solids	FSSAI Lab Manual for Beverages, Sugar & Confectionery products C8
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Crude fibre	IS 12711
135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Milk fat	FSSAI Lab Manual for Beverages, Sugar & Confectionery products C7
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Moisture	IS 12711
137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Non Fat Milk Solids	FSSAI Lab Manual for Beverages, Sugar & Confectionery products C4
138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Protein	IS7219



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139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit, chocolate, cocoa powder, sweets, sugar boiled confectionary, tea, coffee, cake, bread	Total Fat	IS 12711
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Alcohol soluble extract	FSSAI Lab Manual for Spices and Condiments, 7.0
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Ash insoluble in dil. HCl	FSSAI Lab Manual for Spices and Condiments,5.0
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Cold water soluble extract	FSSAI Lab Manual for Spices and Condiments, 6.0
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Crude fibre	IS 1797
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Extraneous matter	FSSAI Lab Manual for Spices and Condiments, 2.0
145	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Moisture	IS 1797
146	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Non volatile ether extract	FSSAI Lab Manual for Spices and Condiments, 9.0
147	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Total Ash	IS 1797
148	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Total nitrogen / protein	IS 7219
149	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli, pepper, turmeric, mustard, coriander, cumin, fennel, nutmeg, cardamom, curry powders, mace, cinnamon, clove, ginger,ajowan, mixed masala	Volatile oil content	FSSAI Lab Manual for Spices and Condiments,10.0
150	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil,rice bran oil, ghee	Acid value	IS 548 Part 1
151	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil,rice bran oil, ghee	Acid value	FSSAI Lab Manual for oil and fat,11.0



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152	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Free fatty acids as oleic acid	FSSAI Lab Manual for oil and fat, 11.8
153	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Free fatty acids as oleic acid	IS 548 Part 1
154	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Iodine Value	FSSAI Lab Manual for oil and fat, 12.0
155	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Moisture and volatile matter	FSSAI Lab Manual for oil and fat, 3.0
156	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Moisture and volatile matter	IS 548 Part 1
157	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Peroxide value	FSSAI Lab Manual for oil and fat, 38.1
158	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Peroxide value	IS 548 Part 1
159	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Saponification value	IS 548 Part 1
160	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Test for mineral oil	IS 548 Part 2
161	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, sesame oil, olive oil, sunflower oil, mustard oil, palm oil, olive oil, palmolein, groundnut oil, gingely oil, fish oil, rice bran oil, ghee	Test for Sesame Oil (Baudouins Test)	FSSAI Lab Manual for oil and fat, 15.0
162	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Ash insoluble in dilute HCl	FSSAI Manual for meat and fish products , 2.4
163	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Moisture (Dry fish)	IS 14950
164	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Moisture (Dry fish)	IS 5960(Part 5)



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165	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Protein	FSSAI Manual for meat and fish products , 2.2
166	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Sodium Chloride (Dry fish)	FSSAI Manual for meat and fish products , 2.4
167	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Total Ash (Dry fish)	IS 5960(Part2)
168	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Total fat	FSSAI Manual for meat and fish products, 2.1
169	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fish and Fish products	Total fat	IS 5960(Part 3)
170	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Acidity	FSSAI Lab Manual for Sugar and Sugar products, 6.8
171	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Ash	FSSAI Lab Manual for Sugar and Sugar products, 6.7
172	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Moisture	FSSAI Lab Manual for Sugar and Sugar products, 6.2
173	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Specific gravity	FSSAI Lab Manual for Sugar and Sugar products, 6.3
174	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Meat and Meat products	pH	FSSAI Manual for meat and fish products , 3.1
175	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Meat and Meat products	Total Fat	FSSAI Manual for meat and fish products, 2.1
176	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Meat and Meat products	Total Fat	IS 5960(Part 3)
177	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Meat and Meat products	Total Protein	FSSAI Manual for meat and fish products , 2.2



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178	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Adulterants (Boric acid, Detergent, Hydrogen peroxide, urea, starch, neutralizer, MQ1, MQ2)	FSSAI Lab Manual for milk
179	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Ash insoluble in HCl	FSSAI Lab Manual for milk, 10.8
180	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Fat	FSSAI Lab Manual for milk, 1.3.4.2
181	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Milk Solids not fat	FSSAI Lab Manual for milk, 1.3.3
182	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Moisture	FSSAI Lab Manual for milk, 10.2
183	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Percentage of overrun (icecream)	FSSAI Lab Manual for milk, 7.3
184	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Protein	FSSAI Lab Manual for milk, 10.6
185	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Protein	IS 7219
186	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Solubility %	FSSAI Lab Manual for milk 10.11
187	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk, Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food, dried ice cream mix	Solubility index	FSSAI Lab Manual for milk, 10.10



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188	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk,Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food,dried ice cream mix	Sucrose	FSSAI Lab Manual for milk, 9.4
189	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk,Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food,dried ice cream mix	Titration acidity as Lactic acid	FSSAI Lab Manual for milk, 10.4
190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk,Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food,dried ice cream mix	Total ash	FSSAI Lab Manual for milk, 10.7
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk,Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food,dried ice cream mix	Total solids	FSSAI Lab Manual for milk, 1.3.3
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, Cream, Milk powder, curd, Ice cream, evaporated/condensed milk, Processed milk,Dairy based dessert/ confections, paneer, yoghurt, butter, cheese, infant milk food,dried ice cream mix	Wt/Vol (ice cream)	FSSAI Lab Manual for milk, 7.3
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Acidity (as citric acid, oleic acid, Lactic acid, acetic acid, tartaric acid)	FSSAI Lab Manual for Fruits and Vegetable products,,2.4,14.5
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Acidity (as citric acid, oleic acid, Lactic acid, acetic acid, tartaric acid)	FSSAI Lab Manual for Fruits and Vegetable products,2.4,14.5
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Ash insoluble in HCl	FSSAI Lab Manual for Fruits and Vegetable products,,5.3
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Ash insoluble in HCl	FSSAI Lab Manual for Fruits and Vegetable products,5.3
197	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Benzoic acid	FSSAI Lab Manual for Food additives,2.1.2



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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
198	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Container fill	FSSAI Lab Manual for Fruits and Vegetable products,1.3
199	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Fruit content (Orange Juice)	FSSAI Lab Manual for Fruits and Vegetable products, 2.11
200	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Moisture content	FSSAI Lab Manual for Fruits and Vegetable products,4.1
201	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	pH	FSSAI Lab Manual for Fruits and Vegetable products 2.3
202	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Salt	FSSAI Lab Manual for Fruits and Vegetable products,1.7
203	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Total ash	FSSAI Lab Manual for Fruits and Vegetable products,5.3,14.4
204	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat fruits,processed and canned fruits	Total soluble solids	FSSAI Lab Manual for Fruits and Vegetable products,2.2
205	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Benzoic acid	FSSAI Lab Manual for Food additives,2.1.2
206	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Container fill	FSSAI Lab Manual for Fruits and Vegetable products,1.3
207	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Moisture content	FSSAI Lab Manual for Fruits and Vegetable products,4.1



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208	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	pH	FSSAI Lab Manual for Fruits and Vegetable products, 2.3
209	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Salt	FSSAI Lab Manual for Fruits and Vegetable products,1.7
210	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Total ash	FSSAI Lab Manual for Fruits and Vegetable products,5.3,14.4
211	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauces, ketchup, puree, soup, pulp, paste, drinks, jam, jelly, sharbats, squashes, syrups, juices, nectars, beverages, curries, nuts, pickles, ready to eat vegetables, processed and canned vegetables	Total soluble solids	FSSAI Lab Manual for Fruits and Vegetable products,2.2
212	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vinegar	Acidity as acetic acid	FSSAI Lab Manual for Fruits and Vegetable products,14.5
213	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vinegar	Mineral Acid	FSSAI Lab Manual for Fruits and Vegetable products,14.6
214	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vinegar	Total ash	FSSAI Lab Manual for Fruits and Vegetable products,14.3
215	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vinegar	Total solids	FSSAI Lab Manual for Fruits and Vegetable products,14.3
216	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Acid insoluble ash	IS 1155
217	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Alcoholic Acidity	FSSAI Lab Manual for Cereals and Cereal Products 8.5
218	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Crude fibre	FSSAI Lab Manual for Cereals and Cereal Products,8.8
219	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Extraneous matter (Refractions Other than Foreign Matter)	FSSAI Lab Manual for Cereals and Cereal Products,1.4



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220	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, besan, cornflour, macroni, corn flakes, bakery products	Foreign matter	FSSAI Lab Manual for Cereals and Cereal Products,1.2
221	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Gluten(on dry weight basis)	FSSAI Lab Manual for Cereals and Cereal Products,8.4
222	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Moisture	FSSAI Lab Manual for Cereals and Cereal Products 2.0
223	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Total Ash	FSSAI Lab Manual for Cereals and Cereal Products 8.2
224	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, rice, atta, maida,suji,rava, oats, rice powder, food grains, lentils, pulses, semolina, besan, cornflour, macroni, corn flakes, bakery products	Total protein	FSSAI Lab Manual for Cereals and Cereal Products,8.7
225	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nickel	USEPA 3050B - 1996 & 7000A
226	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cadmium	USEPA 3050B - 1996 & 7000A
227	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chromium	USEPA 3050B - 1996 & 7000A
228	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Copper	USEPA 3050B - 1996 & 7000A
229	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron	USEPA 3050B - 1996 & 7000A
230	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Lead	USEPA 3050B - 1996 & 7000A
231	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese	USEPA 3050B - 1996 & 7000A
232	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Zinc	USEPA 3050B - 1996 & 7000A
233	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Aluminium as Al	Cl. 5 of IS 3025 (Part 55)
234	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Ammonia (as total ammonia-N)	Cl. 2.3 of IS 3025 (Part 34)
235	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Anionic detergents (as MBAS)	IS 13428



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236	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Benzene	USEPA 8260 B
237	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Benzo(a) pyrene	USEPA 8270 C
238	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Biochemical Oxygen Demand @ 27°C for 3 days	IS 3025 (Part 44)
239	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Calcium as Ca	Cl. 5 of IS 3025(Part 40)
240	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Chemical Oxygen Demand	IS 3025 (Part 58)
241	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Chloride as Cl	Cl. 2 of IS 3025(Part 32)
242	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Colour	Cl. 2 of IS 3025 (Part 4)
243	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Conductivity	IS 3025 (Part 14)
244	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Cyanide as CN	Cl. 2 of IS 3025 (Part 27)
245	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Dissolved oxygen	Cl. 4.1 & 4.2 of IS 3025 (Part 38)
246	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Fluoride as F	Cl. 5 of IS 3025 (Part 60)
247	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Hexavalent chromium as Cr6+	Cl. 6 of IS 3025 (Part 52)
248	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Iron as Fe	Cl. 6 of IS 3025 (Part 53)
249	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Magnesium as Mg	Cl. 6 of IS 3025(Part 46)
250	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Nitrate as NO3	Cl. 3 of IS 3025(Part 34)
251	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Nitrite as NO2	Cl. 4 of IS 3025 (Part 34)
252	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Odour	IS 3025 (Part 5)
253	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Oil & Grease	Cl. 5 of IS 3025 (Part 39)



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254	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Oxygen absorbed in 4 hours at 270C	IS 3025 (Part 63)
255	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	pH	Cl. 2 of IS 3025 (Part 11)
256	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Phenolic Compounds as C6H5OH	Cl. 6 of IS 3025 (Part 43)
257	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Phosphorus as P	Cl. 4 of IS 3025 (Part 31)
258	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Residual Chlorine	IS 3025 (Part 26)
259	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Silica as SiO2	Cl. 3 of IS 3025 (Part 35)
260	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Sodium as Na	Cl. 5 of IS 3025 (Part 45)
261	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Sulphate as SO4	Cl. 4 of IS 3025(Part 24)
262	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Sulphide as S	Cl. 3 of IS 3025 (Part 29)
263	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Total Dissolved Solids	IS 3025(Part 16)
264	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Total Kjeldhal Nitrogen as N	Cl. 5.2 of IS 3025 (Part 34)
265	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Total Solids	IS 3025 (Part 15)
266	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage), Treated waste water	Total Suspended Solids	IS 3025 (Part 17)
267	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Cadmium	USEPA 3050B - 1996 & 7000A
268	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Chromium	USEPA 3050B - 1996 & 7000A
269	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Copper	USEPA 3050B - 1996 & 7000A
270	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Iron	USEPA 3050B - 1996 & 7000A
271	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Lead	USEPA 3050B - 1996 & 7000A



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272	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Manganese	USEPA 3050B - 1996 & 7000A
273	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Nickel	USEPA 3050B - 1996 & 7000A
274	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Zinc	USEPA 3050B - 1996 & 7000A
275	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Aldrin	FSSAI Manual of methods of analysis of Foods - Pesticide Residues, 7.0
276	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Alpha chlordane	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
277	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Alpha HCH	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0 mg/kg
278	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Atrazine	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
279	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Beta HCH	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
280	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Butachlor	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
281	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Chlorpyriphos	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
282	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Delta HCH	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
283	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Dieldrin	FSSAI Manual of methods of analysis of Foods - Pesticide Residues, 7.0
284	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Endosulfan β	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
285	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Endosulfan a	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0 mg/kg



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286	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Endosulfan Sulphate	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
287	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Ethion	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
288	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Gamma chlordane	FSSAI Manual of methods of analysis of Foods - Pesticide Residues, 7.0
289	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Gamma HCH (Lindane)	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
290	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Heptachlor	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
291	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Malathion	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
292	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Methyl parathion	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
293	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Monocrotophos	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
294	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	p,p DDD	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
295	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	p,p DDE	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,7.0
296	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	p,p DDT	FSSAI Manual of methods of analysis of Foods - Pesticide Residues, 7.0
297	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Phorate	FSSAI Manual of methods of analysis of Foods - Pesticide Residues,8.0
298	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products)	Alachlor	FSSAI Manual of methods of analysis of Foods - Pesticide Residues, 8.0



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299	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Arsenic as As	FSSAI Manual of methods of analysis of Foods - Metals,3.1
300	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Cadmium as Cd	FSSAI Manual of methods of analysis of Foods - Metals,3.1
301	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Chromium as Cr	FSSAI Manual of methods of analysis of Foods - Metals,3.1
302	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Copper as Cu	FSSAI Manual of methods of analysis of Foods - Metals, 3.1
303	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Iron as Fe	FSSAI Manual of methods of analysis of Foods - Metals,3.1
304	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Lead as Pb	FSSAI Manual of methods of analysis of Foods - Metals,, 3.1
305	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Nickel as Ni	FSSAI Manual of methods of analysis of Foods - Metals, 3.1
306	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Tin as Sn	FSSAI Manual of methods of analysis of Foods - Metals,3.1
307	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices & condiments, Fruits and Vegetables and their products, Cereals and Cereal Products	Zinc as Zn	FSSAI Manual of methods of analysis of Foods - Metals,3.1
308	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,2',5,5'-Tetrachlorobiphenyl	USEPA 8082(8270)
309	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,2',3,4',5',6 - Hexachlorobiphen	USEPA 8082(8270)
310	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,2',5 - Trichlorobiphenyl	USEPA 8082(8270)
311	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,3',4,4',5'-Pentachlorobipheny	USEPA 8082(8270)
312	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,4- Dichlorophenoxyacetic acid	USEPA515.1 (8321B)
313	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,4,4' -Trichlorobiphenyl	USEPA 8082(8270)
314	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2,4',5-Trichlorobiphenyl	USEPA 8082(8270)
315	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	2-Methylnaphthalene	USEPA 8270
316	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Acenaphthene	USEPA 8270



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

* The validity is extended for one year up to 22.12.2021

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
317	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Acenaphthylene	USEPA 8270
318	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Alachlor	USEPA 525.2, ,8141A (8270)
319	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Aldrin	USEPA 508 (8270)
320	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Alpha HCH	USEPA 508 (8270)
321	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Anthracene	USEPA 8270
322	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Atrazine	USEPA 525.2, ,8141A (8270)
323	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Benzo(a)anthracene	USEPA 8270
324	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Benzo(a)pyrene	USEPA 8270
325	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Benzo(b)fluranthene	USEPA 8270
326	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Benzo(k)fluranthene	USEPA 8270
327	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Beta HCH	USEPA 508 (8270)
328	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Butachlor	USEPA525.2,8141A (8270)
329	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Chlorpyriphos	USEPA 525.2,8141A (8270)
330	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Chrysene	USEPA 8270
331	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Delta HCH	USEPA 508 (8270)
332	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Dieldrin	USEPA 508 (8270)
333	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Endosulfan Beta	USEPA 508 (8270)
334	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Endosulfan Alpha	USEPA 508 (8270)



National Accreditation Board for Testing and Calibration Laboratories

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Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

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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
335	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Endosulfan Sulphate	USEPA 508 (8270)
336	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Ethion	USEPA1657A (8270)
337	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Fluorene	USEPA 8270
338	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Gamma HCH (Lindane)	USEPA 508 (8270)
339	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Isoproturon	USEPA 532
340	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Malathion	USEPA 8141A (8270)
341	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Methyl parathion	USEPA 8141A (8270)
342	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Monocrotophos	USEPA8141A (8270)
343	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	o,p DDD	USEPA 508 (8270)
344	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	o,p DDE	USEPA 508 (8270)
345	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	o,p DDT	USEPA 508 (8270)
346	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	p,p DDD	USEPA 508 (8270)
347	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	p,p DDE	USEPA 508 (8270)
348	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	p,p DDT	USEPA 508 (8270)
349	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Phorate	USEPA8141A (8270)
350	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Raw / treated water	Pyrene	USEPA 8270
351	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Arsenic as As	Cl. 2 of IS 3025(Part 37)
352	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Barium as Ba	IS 3025 (Part 2)



National Accreditation Board for Testing and Calibration Laboratories

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Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

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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
353	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Boron as B	IS 3025 (Part 2)
354	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Cadmium as Cd	IS 3025 (Part 2)
355	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Copper as Cu	Cl. 6 of IS 3025(Part 42)
356	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Copper as Cu	IS 3025 (Part 2)
357	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Lead as Pb	IS 3025 (Part 2)
358	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Manganese as Mn	IS 3025 (Part 2)
359	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Mercury as Hg	Cl. 5 of IS 3025 (Part 48)
360	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Molybdenum as Mo	IS 3025 (Part 2)
361	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Nickel as Ni	IS 3025 (Part 2)
362	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Selenium as Se	Cl. 7 of IS 3025(Part 56)
363	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Silver as Ag	IS 3025 (Part 2)
364	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Chromium as Cr	IS 3025 (Part 2)
365	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Vanadium as V	IS 3025 (Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ENVIRODESIGNS ECO LABS, ECO TOWER, JANATHA JN., PALARIVATTOM, KOCHI, KERALA, INDIA

Accreditation Standard

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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
366	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Zinc as Zn	Cl. 5 of IS 3025 (Part 49)
367	CHEMICAL- RESIDUES IN WATER	Surface Water, Ground Water, Well water, Drinking Water, Packaged drinking water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Zinc as Zn	IS 3025 (Part 2)
368	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Arsenic as As	Cl. 2 of IS 3025(Part 37)
369	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Cadmium as Cd	IS 3025 (Part 2)
370	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Copper as Cu	Cl. 6 of IS 3025(Part 42)
371	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Lead as Pb	IS 3025 (Part 2)
372	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Manganese as Mn	IS 3025 (Part 2)
373	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Mercury as Hg	Cl. 5 of IS 3025 (Part 48)
374	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Nickel as Ni	IS 3025 (Part 2)
375	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Selenium as Se	Cl. 7 of IS 3025(Part 56)
376	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Silver as Ag	IS 3025 (Part 2)
377	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Total Chromium as Cr	IS 3025 (Part 2)
378	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Vanadium as V	IS 3025 (Part 2)
379	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Zinc as Zn	Cl. 5 of IS 3025 (Part 49)
380	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Copper as Cu	IS 3025 (Part 2)
381	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage), Treated waste water	Zinc as Zn	IS 3025 (Part 2)
382	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Acidity as CaCO ₃	Cl. 8.1 of IS 3025 (Part 22)



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

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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
383	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Aluminium as Al	Cl. 5 of IS 3025 (Part 55)
384	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Ammonia (as total ammonia-N)	Cl. 2.3 of IS 3025 (Part 34)
385	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Anionic detergents/(as MBAS)	IS 13428
386	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Benzene	USEPA 8260 B
387	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Benzo(a) pyrene	USEPA 8270 C
388	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Biochemical Oxygen Demand @ 27°C for 3 days	IS 3025 (Part 44)
389	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Bromodichloromethane	ASTM D 3973
390	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Bromoform	ASTM D 3973
391	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Calcium as Ca	Cl. 5 of IS 3025(Part 40)
392	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Chemical Oxygen Demand	IS 3025 (Part 58)



National Accreditation Board for Testing and Calibration Laboratories

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Certificate Number	TC-7114		
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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
393	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Chloramines as Cl ₂	IS 3025 (Part 26)
394	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Chloride as Cl	Cl. 2 of IS 3025(Part 32)
395	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Chloroform	ASTM D 3973
396	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Colour	Cl. 2 of IS 3025 (Part 4)
397	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Conductivity	IS 3025 (Part 14)
398	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Cyanide as CN	Cl. 2 of IS 3025 (Part 27)
399	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Dibromochloromethane	ASTM D 3973
400	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Dissolved oxygen	Cl. 4.1 & 4.2 of IS 3025 (Part 38)
401	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Fluoride as F	Cl. 5 of IS 3025 (Part 60)
402	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Free / Dissolved Carbon Dioxide	IS 3025 (Pt 61)



National Accreditation Board for Testing and Calibration Laboratories

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Laboratory Name :	ENVIRODESIGNS ECO LABS, ECO TOWER, JANATHA JN., PALARIVATTOM, KOCHI, KERALA, INDIA	Page No	29 of 32
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Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

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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
403	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Heavy metals (as Pb)	Cl. 7 of IS 3025(Part 47)
404	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Hexavalent chromium as Cr6+	Cl. 6 of IS 3025 (Part 52)
405	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Inorganic Solids	IS 3025 (Part 18)
406	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Iron as Fe	Cl. 6 of IS 3025 (Part 53)
407	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Magnesium as Mg	Cl. 6 of IS 3025(Part 46)
408	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Mineral oil	Cl. 6 of IS 3025(Part 39)
409	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Nitrate as NO3	Cl. 3 of IS 3025(Part 34)
410	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Nitrite as NO2	Cl. 4 of IS 3025 (Part 34)
411	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Odour	IS 3025 (Part 5)
412	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Oil & Grease	Cl. 5 of IS 3025 (Part 39)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ENVIRODESIGNS ECO LABS, ECO TOWER, JANATHA JN., PALARIVATTOM, KOCHI, KERALA, INDIA	Page No	30 of 32
Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

* The validity is extended for one year up to 22.12.2021

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
413	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Organic Solids	IS 3025 (Part 18)
414	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Oxygen absorbed in 4 hours at 270C	IS 3025 (Part 63)
415	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	pH	Cl. 2 of IS 3025 (Part 11)
416	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Phenolic Compounds as C6H5OH	Cl. 6 of IS 3025 (Part 43)
417	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Phosphorus as P	Cl. 4 of IS 3025 (Part 31)
418	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Residual Chlorine	IS 3025 (Part 26)
419	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Salinity	USEPA 842-B-06-003
420	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Sodium as Na	Cl. 5 of IS 3025 (Part 45)
421	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Kjeldahl Nitrogen as N	Cl. 5.2 of IS 3025 (Part 34)
422	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Organic Carbon	USEPA NCEA-C-1282



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-7114		
Validity	18/12/2020 to 22/12/2020*		

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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
423	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Solids / Residue on evaporation	IS 3025 (Part 15)
424	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Suspended Solids	IS 3025 (Part 17)
425	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Turbidity	IS 3025 (Part 10)
426	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Alkalinity as CaCO ₃	Cl. 8.1 of IS 3025(Part 23)
427	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Silica as SiO ₂	Cl. 3 of IS 3025 (Part 35)
428	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Silt density index	ASTM D 4189
429	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Sulphate as SO ₄	Cl. 4 of IS 3025(Part 24)
430	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Sulphide as S	Cl. 3 of IS 3025 (Part 29)
431	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Taste	IS 3025 (Part 8)
432	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Temperature	USEPA 170.1



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7114	Page No	32 of 32
Validity	18/12/2020 to 22/12/2020*	Last Amended on	-

* The validity is extended for one year up to 22.12.2021

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
433	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Dissolved Solids	IS 3025(Part 16)
434	CHEMICAL- WATER	Surface Water, Ground Water, Drinking Water, Well water, Packaged drinking water, Natural mineral water, Construction Water, Swimming Pool Water, Water for Processed Food Industry, Raw / treated water, Water for Ice	Total Hardness as CaCO ₃	Cl. 5 of IS 3025 (Part 21)