



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ENVITRO LABORATORIES PVT. LTD., KRUSHNA NIWAS, 6 NAVAL NAGAR, MAVDI MAIN ROAD, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7622	Page No	1 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

*The validity is extended for one year up to 30.07.2021

*The scope of accreditation has been modified w.e.f from 13.02.2021 and is valid till 30.07.2021

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- FOOD AND AGRICULTURAL PRODUCTS	Carbonated Beverages (Non-alcoholic)	Coliform Count Colony Count Technique	IS 5401 (Part 1)
2	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Carbonated Beverages (Non-alcoholic)	Total Bacterial Count	IS 5402
3	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Carbonated Beverages (Non-alcoholic)	Yeast & Mould Count	IS 5403 (RA 2013)
4	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Namkeen	Coliform count	IS 5401 (Part 1)
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Namkeen	E.coli	IS 5887 (Part 1) (RA 2009)
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Namkeen	Total Bacterial Count	IS 5402
7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Namkeen	Yeast & Mould Count	IS 5403 (RA 2013)
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw Milk, Flavored Milk, Milk Powder, Processed Milk	Coliform count	IS 5401 (Part 1)
9	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw Milk, Flavored Milk, Milk Powder, Processed Milk	E.coli	IS 5887 (Part 1)(RA 2009)
10	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw Milk, Flavored Milk, Milk Powder, Processed Milk	Total Bacterial Count	IS 5402
11	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sesame Seeds, Sunflower Seeds, Ground Nut Kernels, Mustard Seeds, Hulled Sesame Seeds, Whitish Sesame Seeds, Black Sesame Seeds, Crushing Quality Sesame Seeds, Rape Seeds	Salmonella	IS 5887(Part-3)
12	BIOLOGICAL- WATER	Drinking Water, Ground Water	Coliform	IS 1622
13	BIOLOGICAL- WATER	Drinking Water, Ground Water	Coliform MPN technique	IS 5401 (Part 2)



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7622	Page No	2 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

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14	BIOLOGICAL- WATER	Drinking Water, Ground Water	E.coli	IS 1622
15	BIOLOGICAL- WATER	Drinking Water, Ground Water	E.coli MPN technique	IS 5887 (Part 1) (2009)
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Microscopic Examination / Foreign Starch	FSSAI Manual (Cereal And Cereal Product)
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Alcoholic Acidity expressed as H2SO4	FSSAI Manual (Cereal And Cereal Product)
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Ash insoluble in dilute HCl	FSSAI Manual (Cereal And Cereal Product)
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Crude Fiber	FSSAI Manual (Cereal And Cereal Product)
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Fat	IS 4684 (RA 2002)
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Gluten	FSSAI Manual (Cereal And Cereal Product)
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals Product (Atta, Maida, Suji, Besan, Fortified Atta, Paushtik Atta)	Total Ash	FSSAI Manual (Cereal And Cereal Product)
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Added colouring Matter	FSSAI Manual (Cereal And Cereal Product)
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Admixture	FSSAI Manual (Cereal And Cereal Product)
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Damaged Grains	IS 4333 (Part 1) (RA2012)
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Fat	IS 3579 (RA 2015)



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7622

Page No

3 of 14

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31/07/2018 to 30/07/2020*

Last Amended on

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27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Foreign Matter / Extraneous Matter	IS 4333 (Part 1) (RA 2012)
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Mineral Matter and Inorganic Matter	FSSAI Manual (Cereal And Cereal Product)
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Other Edible Grains	IS 4333 (Part 1) (RA 2012)
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Weeviled Grains	IS 4333 (Part 1) (RA 2012)
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereal Pulses	Whole insects, dead	FSSAI Manual (Cereal And Cereal Product)
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereals Pulses	Insect Infestation	FSSAI Manual (Cereal And Cereal Product)
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains, Cereals pulses	Rodent hair & Excreta	FSSAI Manual (Cereal And Cereal Product)
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products (Sauces, Ketchup, Jam, Jelly, Juices, Beverages, Pulp, Puree)	pH	IS 2860 (RA 2008)
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products (Sauces, Ketchup, Jam, Jelly, Juices, Beverages, Pulp, Puree)	Added Sugar	FSSAI Manual (Fruit And Vegetable Product)
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products (Sauces, Ketchup, Jam, Jelly, Juices, Beverages, Pulp, Puree)	Reducing Sugar	FSSAI Manual (Fruit And Vegetable Product)
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products (Sauces, Ketchup, Jam, Jelly, Juices, Beverages, Pulp, Puree)	Titration Acidity	IS 5861 (RA 2008)
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products (Sauces, Ketchup, Jam, Jelly, Juices, Beverages, Pulp, Puree)	Total Soluble Solid (Brix)	IS 5861 (RA 2008)



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Certificate Number	TC-7622	Page No	4 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

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39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products (Sauces, Ketchup, Jam, Jelly, Juices, Beverages, Pulp, Puree)	Total Sugars	FSSAI Manual (Fruit And Vegetable Product)
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Alkalinity	IS 7224 (RA 2010)
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Calcium	IS 7224 (RA 2010)
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Chloride	IS 7224 (RA 2010)
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Iodine	IS 7224 (RA 2010)
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Magnesium	IS 7224 (RA 2010)
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Sulphate	IS 7224 (RA 2010)
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt / Vacuum Evaporated Iodized Salt / Refined Iodized Salt / Edible Common Salt	Water Insoluble Matter	IS 7224 (RA 2010)
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	R M Value	IS 3508 (RA 2013)
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Product (Ghee)	B.R at 40 oC / B.R. at 40 oC of extracted Fat	IS 3508 (RA 2013)
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Product (Ghee)	Baudouin Test	IS 3508 (RA 2013)
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Product (Ghee)	Test for Rancidity (Analysis by peroxide value)	FSSAI Manual (Oil And Fats)



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Certificate Number	TC-7622	Page No	5 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

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51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Appearance	IS 3579: 1966
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Count of groundnut kernels	FOSFA
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Discolour Kernel	IS 3579: 1966
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Moisture	IS :3579-1966
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Oil Content	IS :3579-1966
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Other Impurities	IS 3579: 1966
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Shriveled kernels	IS 3579: 1966
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Split	IS 3579: 1966
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nut Products Groundnut kernels, Peanut and Peanut product, Nuts Dry fruits	Weevilled Damage	IS 3579: 1966
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Rancidity (Analysis by peroxide value)	FSSAI Manual (Oil And Fats)
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Acid value	FSSAI Manual (Oil And Fats)
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Free fatty acid	FSSAI Manual (Oil And Fats)



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Certificate Number	TC-7622	Page No	6 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

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63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Moisture & Volatile matter	FSSAI Manual (Oil And Fats)
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Peroxide value	FSSAI Manual (Oil And Fats)
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Refractive index at 40 o C	IS 548 (Part 1) (RA 2010)
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Saponification value	FSSAI Manual (Oil And Fats)
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Unsaponifiable matter	FSSAI Manual (Oil And Fats)
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil (Edible Oils, Sunflower Oil, Rice Bran Oil, Groundnut Oil, Cottonseed Oil, Mustard Oil Sesame Oil, Maize (Corn Oil), Palmolein Oil, Palm Kernal Oil, Blended Oil)	Butyro-refractometer reading at 40 o C	IS 548 (Part 1) (RA 2010)
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Groundnut, Sunflower, Niger, Linseed, Rapeseed, Safflower, coconut ball, poppy, safflower, Niger seed, olive	Discolored seed	IS 3579: 1966
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Groundnut, Sunflower, Niger, Linseed, Rapeseed, Safflower, coconut ball, poppy, safflower, Niger seed, olive	moisture	IS 3579: 1966
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Groundnut, Sunflower, Niger, Linseed, Rapeseed, Safflower, coconut ball, poppy, safflower, Niger seed, olive	Oil content	IS 3579: 1966
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Groundnut, Sunflower, Niger, Linseed, Rapeseed, Safflower, coconut ball, poppy, safflower, Niger seed, olive	other impurity	IS 3579: 1966
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Groundnut, Sunflower, Niger, Linseed, Rapeseed, Safflower, coconut ball, poppy, safflower, Niger seed, olive	Shrivelled seed	IS 3579: 1966
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Groundnut, Sunflower, Niger, Linseed, Rapeseed, Safflower, coconut ball, poppy, safflower, Niger seed, olive	Weevilled damaged seed	IS 3579: 1966



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7622	Page No	7 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

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75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Alcoholic Soluble extract	FSSAI Manual (Spices And Condiments)
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Ash insoluble in dilute HCl	FSSAI Manual (Spices And Condiments)
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Broken Fruits, seed & Fragments/Split Fruits	ASTA's Analytical methods (Fourth Edition)
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Crude fibre	FSSAI Manual (Spices And Condiments)
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Damaged / Discoloured Fruits	ASTA's Analytical methods (Fourth Edition)
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Foreign Starch	IS 7807 (RA 2009)
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Lead Chromate Test	FSSAI Manual (Spices And Condiments)
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Moisture	FSSAI Manual (Spices And Condiments)
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Non Volatile Ether Extract	FSSAI Manual (Spices And Condiments)
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Total Ash	FSSAI Manual (Spices And Condiments)
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Unripe & Marked Fruits	ASTA's Analytical methods (Fourth Edition)
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Volatile oil contents	FSSAI Manual (Spices And Condiments)



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Certificate Number

TC-7622

Page No

8 of 14

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87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Excreta Mammalian	ASTA's Analytical methods (Fourth Edition)
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Excreta, Other	ASTA's Analytical methods (Fourth Edition)
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Extraneous (Organic & Inorganic)/ Foreign Matter	ASTA's Analytical methods (Fourth Edition)
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Insect Infested / Defiled	ASTA's Analytical methods (Fourth Edition)
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Rodent Hair & Contamination	ASTA's Analytical methods (Fourth Edition)
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices, Condiments (Whole, Powder And Mix Masala) / Dehydrated Onion / Asafoetida / Compound Asafoetida	Whole Insect / Dead	ASTA's Analytical methods (Fourth Edition)
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand	IS 3025 (Part 44) (RA 2014)
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58) (RA 2017)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 (Part 04) (RA 2017)
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	IS 3025 (Part 39) (RA 2014)
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate	IS 3025 (Part 24) (RA 2014)
98	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide (as H ₂ S)	IS 3025 (Part 29) (RA 2014)
99	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Suspended Solids	IS 3025 (Part 17) (RA 2014)
100	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen	IS 3025 (Part 34) (RA 2014)
101	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride (as Cl)	IS 3025 (Part 32) (RA 2014)



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102	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS 3025 (Part 11) (RA 2017)
103	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic Compound	IS 3025 (Part 43) (RA 2014)
104	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	IS 3025 (Part 16) (RA 2014)
105	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Nuts & Nut Products, Groundnut kernels, Peanut and Peanut Products, Nuts & Dry fruits, Peanut Butter, Peanut Based snacks, Chikki	Aflatoxin B1	AOAC 2005.08 (20th edition)
106	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Nuts & Nut Products, Groundnut kernels, Peanut and Peanut Products, Nuts & Dry fruits, Peanut Butter, Peanut Based snacks, Chikki	Aflatoxin B2	AOAC 2005.08 (20th edition)
107	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Nuts & Nut Products, Groundnut kernels, Peanut and Peanut Products, Nuts & Dry fruits, Peanut Butter, Peanut Based snacks, Chikki	Aflatoxin G1	AOAC 2005.08 (20th edition)
108	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Nuts & Nut Products, Groundnut kernels, Peanut and Peanut Products, Nuts & Dry fruits, Peanut Butter, Peanut Based snacks, Chikki	Aflatoxin G2	AOAC 2005.08 (20th edition)
109	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Nuts & Nut Products, Groundnut kernels, Peanut and Peanut Products, Nuts & Dry fruits, Peanut Butter, Peanut Based snacks, Chikki	Total Aflatoxin (B1+B2+G1+G2)	AOAC 2005.08 (20th edition)
110	CHEMICAL- SOIL AND ROCK	Soil	Electrical Conductivity	IS 14767
111	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26) (RA 2011)
112	CHEMICAL- SOIL AND ROCK	Soil	Total Nitrogen	IS 14684 (RA 2014)
113	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Colour	IS 3025 (Part 4)(RA 2017)
114	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Alkalinity	IS 3025 (Part 23) (RA 2014)
115	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Ammonical Nitrogen	IS 3025 (Part 34) (RA 2014)
116	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Biochemical Oxygen Demand	IS 3025 (Part 44) (RA 2014)
117	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Calcium (As Ca)	IS 3025 (Part 40) (RA 2014)
118	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58) (RA 2017)
119	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Chloride (As Cl)	IS 3025 (Part 32) (RA 2014)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ENVITRO LABORATORIES PVT. LTD., KRUSHNA NIWAS, 6 NAVAL NAGAR, MAVDI MAIN ROAD, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7622	Page No	10 of 14
Validity	31/07/2018 to 30/07/2020*	Last Amended on	-

*The validity is extended for one year up to 30.07.2021

*The scope of accreditation has been modified w.e.f from 13.02.2021 and is valid till 30.07.2021

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
120	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Dissolved Oxygen	IS 3025 (Part 38) (RA 2014)
121	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Magnesium (As Mg)	IS 3025 (Part 46) (RA 2014)
122	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Nitrate (As NO ₃)	IS 3025 (Part 34) (RA 2014)
123	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Nitrite (As NO ₂)	IS 3025 (Part 34) (RA 2014)
124	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	pH	IS 3025 (Part 11) (RA 2017)
125	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Phenolic Compounds	IS 3025 (Part 43) (RA 2014)
126	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Potassium	IS 3025 (Part 45) (RA 2014)
127	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Residual Free Chlorine	IS 3025 (Part 26) (RA 2014)
128	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Sodium	IS 3025 (Part 45) (RA 2014)
129	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Sulphate	IS 3025 (Part 24) (RA 2014)
130	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Sulphide (as H ₂ S)	IS 3025 (Part 29) (RA 2014)
131	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Total Dissolved Solids	IS 3025 (Part 16) (RA 2014)
132	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Turbidity	IS 3025 (Part 10) (RA 2017)
133	CHEMICAL- WATER	Drinking water, Ground & Surface water	Conductivity	IS 3025 (part 14) RA 2012
134	CHEMICAL- WATER	Drinking water, Ground & Surface water	Fluoride	IS 3025 (Part 60)
135	CHEMICAL- WATER	Drinking water, Ground & Surface water	Iron	IS 3025 (Part 53) (RA 2014)
136	CHEMICAL- WATER	Drinking Water, Ground & Surface Water	Odour	IS 3025 (Part 5) (RA 2017)
137	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 (Part 22)
138	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 (Part 23)
139	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32)
140	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
141	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025 (Part 24)
142	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids	IS 3025 (Part 16)
143	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
144	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
145	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ENVITRO LABORATORIES PVT. LTD., KRUSHNA NIWAS, 6 NAVAL NAGAR, MAVDI MAIN ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7622

Page No

11 of 14

Validity

31/07/2018 to 30/07/2020*

Last Amended on

-

*The validity is extended for one year up to 30.07.2021

*The scope of accreditation has been modified w.e.f from 13.02.2021 and is valid till 30.07.2021

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
146	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
147	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specif Gravity	IS 1202
148	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
149	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Height)	IS 1077
150	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Length)	IS 1077
151	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Width)	IS 1077
152	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
153	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS 2386 (Part 4)
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
162	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ENVITRO LABORATORIES PVT. LTD., KRUSHNA NIWAS, 6 NAVAL NAGAR, MAVDI MAIN ROAD, RAJKOT, GUJARAT, INDIA	Page No	12 of 14
Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-7622		
Validity	31/07/2018 to 30/07/2020*		

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163	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516
164	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
165	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 Micron	IS 2386 (Part 1)
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
167	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
169	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Compressive Strength (672±4)hrs	IS 4031 (Part 6)
170	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Compressive Strength (168±2)hrs	IS 4031 (Part 6)
171	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Compressive Strength (72±1)hrs	IS 4031 (Part 6)
172	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Consistency	IS 4031 (Part 4)
173	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Density	IS 4031 (Part 11)
174	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Final Setting Time	IS 4031 (Part 5)
175	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Fineness by Air Permeability (OPC)	IS 4031 (Part 2)
176	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Initial Setting Time	IS 4031 (Part 5)
177	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Soundness Le-Chatelier	IS 4031 (Part 3)
178	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
179	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions (Height)	IS 15658



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ENVITRO LABORATORIES PVT. LTD., KRUSHNA NIWAS, 6 NAVAL NAGAR, MAVDI MAIN ROAD, RAJKOT, GUJARAT, INDIA	Page No	13 of 14
Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-7622		
Validity	31/07/2018 to 30/07/2020*		

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180	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions (Length)	IS 15658
181	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions (Width)	IS 15658
182	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
183	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Plan Area	IS 15658
184	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Tensile Splitting Strength	IS 15658
185	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS 15658
186	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
187	MECHANICAL- BUILDINGS MATERIALS	Paverblocks	Abrasion Resistance	IS 15658
188	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Percent Elongation	IS 1608 (Part -1)
189	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Ultimate Tensile Strength	IS 1608 (Part -1)
190	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio Test	IS 2720 (Part 16)
191	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
192	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (phi)	IS 2720 (Part 13)
193	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
194	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet Sieving)	IS 2720 (Part 4)
195	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
196	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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ENVITRO LABORATORIES PVT. LTD., KRUSHNA NIWAS, 6 NAVAL NAGAR, MAVDI MAIN ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7622

Page No

14 of 14

Validity

31/07/2018 to 30/07/2020*

Last Amended on

-

*The validity is extended for one year up to 30.07.2021

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197	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
198	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
199	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
200	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
201	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
202	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
203	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
204	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (Cohesion)	IS 2720 (Part 11)
205	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test (Phi)	IS 2720 (Part 11)