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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		BIOLOGIC	AL TESTING	
<b>I.</b>	WATER			
1.	Water Potable, Drinking,	Total Coliforms (MPN)	APHA 23rd Edition -9221-B	<1.8 MPN to 1600 MPN //100ml
	Surface, Borewell,		IS 1622: 1981 (RA 2009)	< 2 to 1600 MPN/100ml
	Processed water	Total Coliforms (MFT)	APHA 23rd Edition -9222-B IS 1622: 1981 (RA 2009)	≤1 CFU/100ml
   	+   	E. coli	APHA 23rd Edition -9221-G	<1.8 MPN to 1600 MPN //100ml
			IS 1622: 1981 (RA 2009)	Qualitative (Present or Absent) /100ml
	<u>+</u>   	Feacal Coliform (MPN)	APHA 23rd Edition -9221-E	<1.8 MPN to1600 MPN //100ml
	+     		IS 1622: 1981 (RA 2009)	Qualitative   (Present or Absent)/   100ml
	+	Feacal Coliform (MFT)	APHA 23rd Edition -9222-D	≤1 CFU/100ml
	+   	Heterotrophic Plate count @ 22°C	APHA 23rd Edition-9215-A IS 1622 (RA 2009)	S1 CFU/ml
	+   	Heterotrophic Plate count @35°C	APHA 23rd Edition-9215-A I IS 1622 (RA 2009)	S1 CFU/ml
	+	Yeast & Mold Count	APHA 23rd Edition-9610-B	_ ≤1 CFU/mI
	+     	Salmonella	IS 15187: 2002	Qualitative   (Present or   Absent)/100ml
   	†   !	Fecal Enterococcus/ Streptococcus (MFT)	APHA 23rd Edition-9230C IS 15186:2002	≤1 CFU/100ml
Ш	POLLUTION & ENV	IRONMENT		
1.	Waste Water	Total Coliforms (MPN)	APHA 23rd Edition-9221-B	<1.8 MPN to 1600 MPN /100ml

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			IS 1622: 1981 (RA 2009)	< 2 to 1600 MPN/100ml
		Total Coliforms (MFT)	APHA 23rd Edition-9222-B IS 1622: 1981 (RA 2009)	≤10 CFU/100ml
		E. coli	APHA 23rd Edition-9221-G	<1.8 MPN to 1600 MPN /100ml
			IS 1622:1981 (RA 2009)	Qualitative (Present or Absent) /100ml
		Feacal Coliform (MPN)	APHA 23rd Edition-9221-E	<1.8 MPN to 1600 MPN /100ml
			IS 1622: 1981 (RA 2009)	Qualitative (Present or Absent)/ 100ml
		Feacal Coliform (MFT)	APHA 23rd Edition-9222-D	≤1 CFU/100mI
   		Heterotrophic Plate count @ 22°C	APHA 23rd Edition-9215-A IS 1622 (RA 2009)	≤1 CFU/ml
   		Heterotrophic Plate count @35°C	APHA 23rd Edition-9215-A IS 1622 (RA 2009)	≤1 CFU/ml
		Yeast & Mold Count	APHA 23rd Edition-9610-B	≤1 CFU/mI
		Salmonella	IS 15187: 2002	Qualitative (Present or Absent)/ 100ml
   		Fecal Enterococcus/ Streptococcus (MFT)	APHA 23rd Edition-9230C IS 15186:2002	≤1 CFU/100ml
III.	FOOD & AGRICULT			
1.	Herbs Spices and Condiments	Total Plate Count/ Aerobic Plate count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml
	(Whole, Powdered and Blended)	Yeast &Mould Count	IS 5403: 1999 (RA 2005)	≥10 cfu/gm, ⊨≥1 cfu/ml
	   	Coliform Count	BAM 2002 Chapter 4	≥3 MPN to >1100 MPN /gm/ml
		Enumeration of E. coli	IS 5887 (Part 1): 1976 (RA 2005)	≥10 cfu/gm, ≥10 cfu/ml
			BAM 2013 Chapter 4	≥3 MPN to >1100 MPN

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ţ ↓		⊤ +	/gm/ml
		Detection of E. coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/ Absent per 25 gms or ml)
	     	Staphylococcus aureus	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	Qualitative   (Present/ Absent per 25   gms or ml)
		Salmonella spp.	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative   (Present/ Absent per 25   gms)
2.	Cereals, Pulses and Related	Total Plate Count/ Aerobic Plate count	IS 5402: 2012	≥10 cfu/gm, ∣ ≥1 cfu/ml
	products	Yeast &Mould Count	IS 5403: 1999 (RA 2005)	≥10 cfu/gm,   ≥1 cfu/ml
		Coliform Count	BAM 2002 Chapter 4	≥3 MPN to >1100 MPN /gm/ml
		Enumeration of E. coli	IS 5887 (Part 1): 1976 (RA 2005)	≥10 cfu/gm, ≥10 cfu/ml
	   	   	BAM 2013 Chapter 4	≥3 MPN to >1100 MPN ∫gm/ml
		Detection of E. coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/ Absent per 25 gms or ml)
		Detection of Staphylococcus aureus	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	Qualitative (Present/ Absent per 25 gms or ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative (Present/ Absent per 25 gms)
3.	Ready to Cook, Ready to Eat	Total Plate Count/ Aerobic Plate count	IS 5402: 2012	≥10 cfu/gm, i ≥1 cfu/ml
	┼───── │ │	Yeast &Mould Count	IS 5403: 1999 (RA 2005)	≥10 cfu/gm, ≥1 cfu/ml
		Coliform Count	BAM 2002 Chapter 4	≥3 MPN to>1100 MPN

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·				/gm/ml
		Enumeration of E. coli	IS 5887 (Part 1): 1976 (RA 2005)	≥10 cfu/gm, ≥10 cfu/ml
	   		BAM 2013 Chapter 4	≥3 MPN to >1100 MPN /gm/ml
	+     	Detection of E. coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative   (Present/ Absent per 25   gms or ml)
		Detection of Staphylococcus aureus	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	Qualitative   (Present/ Absent per 25   gms or ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative (Present/ Absent per 25 gms)

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SI.	Product / Material of Test	Specific Test	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		CHEMIC/	AL TESTING	
<b>I</b> .	ATMOSPHERIC PO			
1.	Stack Emission Monitoring	Volume of Flue gas	IS 11255(Part3) :2008	1 Nm <sup>3</sup> /Hr to 75000 Nm <sup>3</sup> /Hr
		Velocity of Flue Gas Discharged	IS 11255(Part3) :2008	1 m/s & 20 m/s
		Particulate matter	IS 11255(Part1) :1985 (RA2003)	10 mg/Nm <sup>3</sup> to 5000 mg/Nm <sup>3</sup>
		Oxides of Sulphur	IS 11255(Part2) :1985 (RA2003)/ SOP No.OEL/SOP/AAQ/T/004 Issue No. 01 & Date 30.11.2012	2 mg/Nm <sup>3</sup> to 1000 mg/Nm <sup>3</sup>
	†         	Oxides of Nitrogen	IS 11255 (Part7) :2005/ SOPNo.OEL/SOP/AAQ/T/0 03 Issue No. 01 & Date 30.11.2012	2 mg/Nm <sup>3</sup> to 2000 mg/Nm <sup>3</sup>
		Carbon Dioxide	IS 13270 :1992 RA 2003	0 to 0. 5 % (L) 0 to 25 % (H)
2.	Ambient Air Monitoring	Oxygen Sulphur Dioxide (SO <sub>2</sub> )	IS 13270 :1992 RA 2003 IS 5182(Part 2 ):2001 (RA 2006)	0.2 %to 20.90 % 1 μg/m <sup>3</sup> to 1050 μg/m <sup>3</sup>
		Carbon Monoxide	CO Gas Detector OEL/SOP/AAQ/A/009 Issue No. 1 dated 01.01.2018	1 ppm to 1000 ppm
	<u> </u>	Nitrogen Dioxide (NO2)	IS 5182(Part 7):2006	1 μg/m <sup>3</sup> to 750 μg/m <sup>3</sup>
 	           	Particulate Matter Particulate Matter	IS 5182(Part 23):2006 USEPA Quality OEL/SOP/AAQ/A/004 Issue No. 1 dated 30.11.2012	1.0 μg/m <sup>3</sup> to 1000 μg/m <sup>3</sup> 1.0 μg/m <sup>3</sup> to 1000 μg/m <sup>3</sup>

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	⊤−−−−−   	Suspended Particulate Matter (Size > 10 µg)	IS 5182(Part 4):1999 (RA 2010)	1.0 μg/m³ to 1000 μg/m³
		Ozone (O <sub>3</sub> )	CPCB Guidelines for AAQ monitoring Vol I, May 2011: (OEL/SOP/AAQ/A/003 Issue no. 01 dated 30.11.2012) IS 5182: (Part 9):1974 (RA 2009)	<sup>-</sup> 1 μg/m <sup>3</sup> to 2000 μg/m <sup>3</sup>
		Ammonia (NH₃)	Methods of Air Sampling & Analysis; 3rd Edition Method No.401 (OEL/SOP/AAQ/A/001 Issue no. 01 dated 30.11.2012)	1 μg/m³to 600  μg/m³
3.	Ambient Noise Level Monitoring & Sound Pressure Level	Equivalent Noise Level, (L <sub>eq</sub> )	IS 9989:1981 (RA 2008)	35 dB to 130 dB (A)
II.	WATER	   		
1.	Potable water, Drinking water, Surface water, Bore well water,	рН	APHA 23 <sup>rd</sup> Edition 2017 4500-H <sup>+</sup> B IS 3025 (Part 11): 1983 (RA 2002)	3 to 12
	Processed water	Total Hardness as CaCo <sub>3</sub>	APHA 23 <sup>rd</sup> Edition -2340-C IS 3025 (Part 21): 2009	1 mg/L to 3000 mg/L
	1       	Calcium as Ca	APHA 23 <sup>rd</sup> Edition-3500-CaB IS 3025 (Part 40): 1991 (RA 2003)	1 mg/L to 2000 mg/L
		Magnesium as Mg	APHA23 <sup>rd</sup> Edition-3500-MgB IS 3025 (Part 46):1994 (RA 2003)	1 mg/L to 2000 mg/L
	+   	Chloride as Cl	APHA 23rd Edition-4500-CI B	1 mg/L to 2000 mg/L

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			IS 3025 (Part 36):1998 (RA 2003)	
		Total, M, P Alkalinity as CaCO₃	APHA 23 <sup>rd</sup> Edition–2320-B IS 3025 (Part 23): 1986 RA 2003	1 mg/L to 2000 mg/L
		Conductivity	APHA 23 <sup>rd</sup> Edition–2510-B IS 3025 (Part 14): 2013)	1 μS/cm to 5000 μS/cm
		Silica, Reactive, Colloidal as SiO <sub>2</sub>	APHA 23 <sup>rd</sup> Edition-4500-C IS 3025 (Part 35):1988 (RA 2003)	0.01 mg/L to 80 mg/L
		Sulphate as SO <sub>4</sub>	APHA 23 <sup>rd</sup> Edition-4500- SO <sub>4</sub> C IS 3025 (Part 24): 1986 (RA 1992)	1 mg/L to 1000 mg/L
	<u>+</u>   	Fluoride as F	APHA 23 <sup>rd</sup> Edition 4500-FD IS 3025 (Part 60): 2015	0.1 mg/L to 20 mg/L
		Nitrate as NO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition-4500- NO₃B IS 3025 (Part 34): 1988	0.01 mg/L to 200 mg/L
		Nitrite as NO <sub>2</sub>	APHA 23 <sup>rd</sup> Edition-4500- NO <sub>2</sub> B IS 3025 (Part 34): 1988	0.01 mg/L to 10 mg/L
	+   	Total Iron as Fe	APHA 23 <sup>rd</sup> Edition-3500-FeB IS 3025 (Part 53): 2003	0.02 mg/L to 50 mg/L
		Turbidity	APHA 23 <sup>rd</sup> Edition-2130-B IS 3025 (Part 10): 1984 (RA 2002)	1 NTU to 100 NTU
		Sodium as Na	APHA 23 <sup>rd</sup> Edition-3500-NaB IS 3025 (Part 45): 1993 (RA 2003)	1 mg/L to 3000 mg/L
		Potassium as K	APHA 23 <sup>rd</sup> Edition-3500-KB IS 3025 (Part 45): 1993 (RA 2003)	1 mg/L to 1000 mg/L
		Boron as B	APHA 23 <sup>rd</sup> Edition-4500-BB	0.02 mg/L to 10 mg/L

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	+   	Acidity as CaCO <sub>3</sub>	IS 3025 (Part 57): 2005 APHA 23 <sup>rd</sup> Edition-2310-BB IS 3025 (Part 45): 1986	1 mg/L to 400 mg/L
		Bicarbonates Alkalinity as CaCO₃	APHA 23 <sup>rd</sup> Edition-2320-B IS 3025 (Part 23): 1986 RA 2003	1 mg/L to 3000 mg/L
		Chlorine Residual	APHA 23 <sup>rd</sup> Edition-4500-CIB IS 3025 (Part 26): 1986 RA 2003	1 mg/L to 2000 mg/L
		Total Solids	APHA 23 <sup>rd</sup> Edition-2540-B IS 3025 (Part 15): 1984 RA 2009	1 mg/L to 500 mg/L
		Fixed Solids	APHA 23 <sup>rd</sup> Edition-2540-E IS 3025 (Part 18): 1984 RA 2012	1 mg/L to 500 mg/L
	+     	Volatile Solids	APHA 23 <sup>rd</sup> Edition-2540-E IS 3025 (Part 18): 1984 RA 2012	1 mg/L to 500 mg/L
     	+     	Total Dissolved Solids	APHA 23 <sup>rd</sup> Edition-2540-C IS 3025 (Part 16): 1984 RA 2006	1 mg/L to 2500 mg/L
	+     	Total Suspended Solids	APHA 23 <sup>rd</sup> Edition-2540-D IS 3025 (Part 17): 1984 RA 2012	1 mg/L to 500 mg/L
		Sulphite SO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition-4500- SO₃B IS 3025 (Part 28):1986 RA 2003	1 mg/L to 1000 mg/L
		Sulphide as S	APHA 23 <sup>rd</sup> Edition-4500-S IS 3025 (Part 29): 1986 RA 2003	1 mg/L to 10 mg/L
		Phosphate / Ortho	APHA 23 <sup>rd</sup> Edition-4500-B D IS 3025 (Part 31): 1988 RA 2003	1 mg/L to 10 mg/L
		Percent Sodium	OEL/SOP/W/24	1 % to 90 %

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   	   !		Issue no.01 dated 30.11.2012)	
		Hexavalent Chromium as Cr <sup>+6</sup>	IS 3025 (Part 52): 2003	1 mg/L to 5 mg/L
		Dissolved Oxygen	APHA 23 <sup>rd</sup> Edition 5530-B C IS 3025 (Part 38): 1989	1 mg/L to 8 mg/L
   	   	Dissolved Iron as Fe	APHA 23 <sup>rd</sup> Edition 3500-Fe-B IS 3025 (Part 53): 2003	0.02 mg/L to 5 mg/L
         		Oil & Grease (Mineral Oil)	APHA 23 <sup>rd</sup> Edition-5520-O & G B IS 3025 (Part 39): 1991 RA 2003	
     		Phenolic Compounds as C6H5OH	APHA 23 <sup>rd</sup> Edition-5530-C IS 3025 (Part 43): 1992 RA 2003	0.02 mg/L to 5 mg/L
   	   	Chemical oxygen	APHA 23 <sup>rd</sup> Edition-5220-B IS 3025 (Part 58): 2006	4 mg/L to 1000 mg/L
     		Biological oxygen Demand	APHA 23 <sup>rd</sup> Edition-5210-B IS 3025 (Part 44): 1993 RA 2009	2 mg/L to 500 mg/L
   	   	Temperature °C	APHA 23 <sup>rd</sup> Edition-2550-B IS 3025 (Part 9): 1984	Ambient to 50 °C
   	   	Ammonical Nitrogen	APHA 23 <sup>rd</sup> Edition-4500-C IS 3025 (Part 34): 1988	1 mg/L to 50 mg/L
   	   	Colour retention of KMnO <sub>4</sub>	IS 1070 : 1992 (ŔA 2003)	Test Passed / failed
III.	WASTE WATER			
1.	Sewage water, Effluent water, STP, ETP water	рН	APHA 23 <sup>rd</sup> Edition 2017- 4500-H <sup>+</sup> B IS 3025 (Part 11): 1983 (RA 2002)	1 to 14
   	   	Total Hardness	APHA 23 <sup>rd</sup> Edition -2340-C IS 3025 (Part 21): 2009	1 mg/L to 3000 mg/L
	 	Calcium as ca	APHA 23 <sup>rd</sup> Edition-3500-CaB	1 mg/L to 2000 mg/L

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   			IS 3025 (Part 40): 1991 (RA 2003)	
     		Magnesium as Mg	APHA23 <sup>rd</sup> Edition-3500-MgB IS 3025 (Part 46): 1994 (RA 2003)	1 mg/L to 2000 mg/L
     		Chloride as Cl	APHA 23 <sup>rd</sup> Edition-4500-Cl B IS 3025 (Part 36): 1998 (RA 2003)	1 mg/L to 2000 mg/L
   	   	Conductivity	APHA 23 <sup>rd</sup> Edition-2510-B IS 3025 (Part 14): 2013)	1 μS/cm to 5000 μS/cm
     	+       	Silica, Reactive, Colloidal as SiO <sub>2</sub>	APHA 23 <sup>rd</sup> Edition-4500-C IS 3025 (Part 35):1988 (RA 2003)	0.01 mg/L to 1000 mg/L
     	+     	Total Dissolved Solids	APHA 23 <sup>rd</sup> Edition-2540-C IS 3025 (Part 16): 1984 RA 2006	1 mg/L to 25000 mg/L
         		Sulphate as SO4	APHA 23 <sup>rd</sup> Edition-4500- SO <sub>4</sub> C IS 3025 (Part 24):1986 (RA 1992)	1 mg/L to 1000 mg/L
   	+   	Fluoride as F	APHA 23 <sup>rd</sup> Edition-4500-FD IS 3025 (Part 60): 2015	0.1 mg/L to 20 mg/L
       		Nitrate as NO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition-4500- NO₃B IS 3025 (Part 34): 1988	1 mg/L to 200 mg/L
     	₩       	Nitrite as NO <sub>2</sub>	APHA 23 <sup>nd</sup> Edition-4500- NO <sub>2</sub> B IS 3025 (Part 34): 1988	0.1 mg/L to 20 mg/L
		Total Iron as Fe	APHA 23 <sup>rd</sup> Edition-3500-FeB IS 3025 (Part 53): 2003	0.02 mg/L to 10 mg/L
         		Turbidity	APHA 23 <sup>rd</sup> Edition-2130-B IS 3025 (Part 10): 1984 (RA 2002)	0.05 NTU to 100 NTU
	<u>+</u>	Colour	APHA 23 <sup>rd</sup> Edition-2120-B	5 Hazen to 100 Hazen

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	┭−−−−−−−−−   !		IS 3025 (Part 4): 1983 (RA 2002)	
		Sodium as Na	APHA 23 <sup>rd</sup> Edition-3500-NaB IS 3025 (Part 45): 1993 (RA 2003)	0.1 mg/L to 3000 mg/L
		Potassium as K	APHA 23 <sup>rd</sup> Edition-3500-KB IS 3025 (Part 45): 1993 (RA 2003)	0.1 mg/L to 1000 mg/L
		Boron as B	APHA 23 <sup>rd</sup> Edition-4500-BB IS 3025 (Part 57): 2005	0.02 mg/L to 10 mg/L
		Chemical Oxygen Demand	APHA 23 <sup>rd</sup> Edition-5220-B IS 3025 (Part 58): 2006	4 mg/L to 8000 mg/L
		Biological oxygen	APHA 23 <sup>rd</sup> Edition-5210-B IS 3025 (Part 44): 1993 RA 2009	2 mg/L to 6000 mg/L
	+   	Temperature Deg C	APHA 23 <sup>rd</sup> Edition-2550-B IS 3025 (Part 9): 1984	Ambient to 50 °C
	† ↓ ↓	Ammoniacal Nitrogen as NH₃-N	APHA 23 <sup>rd</sup> Edition-4500-C IS 3025 (Part 34): 1988	1 mg/L to 1000 mg/L
		Total Kjeldahl Nitrogen	APHA 23 <sup>rd</sup> Edition-4500-N <sub>org</sub> A, B IS 3025 (Part 34): 1988	1 mg/L to 1000 mg/L
		Oil & Grease	APHA 23 <sup>rd</sup> Edition-5520-O & G B IS 3025 (Part 39):1991 RA 2003	
		Organic Nitrogen	APHA 23 <sup>rd</sup> Edition-4500- N <sub>org</sub> B IS 3025 (Part 34): 1988	1 mg/L to 1000 mg/L
		Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	APHA 23 <sup>rd</sup> Edition-5530-C IS 3025 (Part 43): 1992 RA 2003	0.1 mg/L to 1000 mg/L
	   	Dissolved Iron as Fe	APHA 23 <sup>rd</sup> Edition 5530-C IS 3025 (Part 53): 2003	1 mg/L to 100 mg/L
		Dissolved Oxygen	APHA 23 <sup>rd</sup> Edition5530-B C	1 mg/L to 10 mg/L

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			IS 3025 (Part 38): 1989	
     	+       	Total Suspended Solids	APHA 23 <sup>rd</sup> Edition - 2540-D IS 3025 (Part 17): 1984 RA 2012	1 mg/L to 20000 mg/L
     		Percent Sodium	(OEL/SOP/W/24   Issue no. 01 dated   30.11.2012)	1 % to 90 %
		Phosphate / Ortho	APHA 23 <sup>rd</sup> Edition-4500-B D IS 3025 (Part 31):1988 RA 2003	1 mg/L to 1000 mg/L
     		Total Solids	APHA 23 <sup>rd</sup> Edition-2540-B IS 3025 (Part 15): 1984 RA 2009	1 mg/L to 15000 mg/L
		Fixed Solids	APHA 23 <sup>rd</sup> Edition-2540-E IS 3025 (Part 18): 1984 RA 2012	1 mg/L to 25000 mg/L
     		Volatile Solids	APHA 23 <sup>rd</sup> Edition- 2540-E IS 3025 (Part 18): 1984 RA 2012	1 mg/L to 5000 mg/L
IV.	FOOD & AGRICUL	TURAL PRODUCTS	+   	
1.	Cereal And Cereal	Products		1
	Atta (Wheat), Semolina (Suji)/Multigrain	Moisture	IS 1155:1968 (RA 2010) FSSAI Manual for Cereal and Cereal Product 2016	0.5 % to 20 %
     	flour	Total Ash	IS 1155:1968 (RA 2010) FSSAI Manual for Cereal and Cereal Product 2016	0.05 % to 1.0 %
		Acid Insoluble Ash	IS 1155:1968 (RA 2010) FSSAI Manual for Cereal and Cereal Product 2016	0.01 % to 0.1 %
<b></b> _		Gluten	IS 1155:1968 (RA 2010) FSSAI Manual for Cereal and Cereal Product 2016	1.0 % to 25 %
		Alcoholic Acidity	IS 1155:1968 (RA 2010)	0.1 % to 2 %

Laboratory	One Earth Enviro Labs, 1st Floor, KSIA Building, Baikampady Industrial Area Road, Mangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-7847 (in lieu of T-2989, T-3132)	Page 13 of 13	
Validity	29.09.2018 to 28.09.2020	Last Amended on	

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
[	<u> </u>		FSSAI Manual for Cereal	
i	<u> </u>	<u> </u>	and Cereal Product 2016	i
 		Crude Fibre	IS 1155:1968 (RA 2010)	1.1 % to 10 %
į	ĺ		FSSAI Manual for Cereal	
	 	 	and Cereal Product 2016	
	 <b> </b>	Protein	IS 7219: 1973 (RA 2005)	1.0 % to 55%
2.	Maida, Fortified	Moisture	IS 1009:1979 (RA 2010)	1.0 % to 20 %
l	Maida, Protein		FSSAI Manual for Cereal	
	Rich Maida	 	and Cereal Product 2016	 
		Total Ash	IS 1009:1979 (RA 2010)	0.05 % to 1.0 %
			FSSAI Manual for Cereal	
	 	 	and Cereal Product 2016	 
		Alcoholic Acidity	IS 1009:1979 (RA 2010)	0.1 % to 2 %
			FSSAI Manual for Cereal	
	 	 	and Cereal Product 2016	 
	 	Protein	IS 7219: 1973 (RA 2005)	1.0 % to 55%
		Acid Insoluble Ash	IS 1009:1979 (RA 2010)	0.01 % to 0.1 %
			FSSAI Manual for Cereal	
	 	 	and Cereal Product 2016	
		Gluten	IS 1009:1979 (RA 2010)	1.0 % to 25 %
			FSSAI Manual for Cereal	
	 	 	and Cereal Product 2016	 
V.	OTHERS			
1.	Ready to Eat Food/	Moisture	IS 12711: 1989 (RA 2010)	1.0 % to 60 %
	Processed Food	Total Ash	IS 12711: 1989 (RA 2010)	1.1 % to 20 %
	Products/ Mixed	Acid insoluble Ash	IS 12711: 1989 (RA 2010)	0.01 % to 5 %
	food Grain	 Fat	IS 12711: 1989 (RA 2010)	0.1 % to 20 %
	Preparation/	Crude Fibre	IS 12711: 1989 (RA 2010)	0.01 % to 10 %
	Proprietary food/	Alcoholic Acidity	IS 12711: 1989 (RA 2010)	0.1 % to 2.0 %
	Raw Food materials	Protein	IS 7219 : 1973 (RA 2005)	1.0 % to 10 %