



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SUN TECH, 40-P, TUPUDANA INDUSTRIAL AREA, HATIA, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5432 Page No. : 1 / 57

Validity 31/03/2019 to 30/03/2021 Last Amended on 12/04/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Pollution Measurement	Oxides of Nitrogen	IS :5182 (PART - 6): 2006	1 microgram/m ³ to 1000 microgram/m ³
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Pollution Measurement	Respirable Suspended Particulate Matter	IS : 5182 (Part - 23): 2006	1 microgram/m ³ to 1000 microgram/m ³
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Pollution Measurement	Sulphur Dioxide	IS: 5182 (PART - 2): 2001	4 microgram/m ³ to 1050 microgram/m ³
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Pollution Measurement	Suspended Particulate Matter	IS : 5182 (PART - 4): 1999	5 microgram/m ³ to 1000 microgram/m ³
5	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise Monitoring	Leq dB(A)	IS : 9876 : 1981	1 dB(A) to 130 dB(A)
6	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content as AC	IS : 9103 ANNEX E-2: 1999	0.1 % to 92 %
7	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content as DMC	IS : 9103 ANNEX E-1: 1999	0.1 % to 98 %
8	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS : 9103 ANNEX E-5: 1999	1 to 14
9	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density as RD	IS : 9103 ANNEX E 3: 1999	0.1 to 3.0
10	CHEMICAL- BUILDING MATERIAL	Admixture	Water Soluble Chloride	IS : 6925: 1999	0.005 % to 1.5 %
11	CHEMICAL- BUILDING MATERIAL	Alkali - Aggregate Reactivity	Dissolved Silica as Si	IS : 2386 (PART - VII): 1963	0.1 millimoles/litre to 50 millimoles/litre



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12	CHEMICAL- BUILDING MATERIAL	Alkali - Aggregate Reactivity	Reduction in alkalinity as Rc	IS : 2386 (PART -VII): 1963	10 millimoles/litre to 800 millimoles/litre
13	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Alkalies as Na ₂ O	IS : 4032: 1985	0.03 % to 5 %
14	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Alumina as Al ₂ O ₃	IS : 4032: 1985	0.1 % to 20 %
15	CHEMICAL- BUILDING MATERIAL	Ordinary Portland cement	Chloride as Cl	IS : 4032: 1985	0.01 % to 2 %
16	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Insoluble Residue	IS : 4032: 1985	0.1 % to 40 %
17	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Insoluble Residue	IS : 4032: 1985	0.1 % to 40 %
18	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Iron Oxide as Fe ₂ O ₃	IS : 4032: 1985	0.1 % to 10 %
19	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Lime as CaO	IS : 4032: 1985	2 % to 70 %
20	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Loss on Ignition (LOI)	IS: 4032 : 1985	0.1 % to 10 %
21	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Magnesia as MgO	IS : 4032: 1985	0.05 to 15
22	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Silica	IS : 4032: 1985	1 % to 40 %
23	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Sulphate as SO ₃	IS : 4032: 1985	0.1 % to 5 %
24	CHEMICAL- BUILDING MATERIAL	PPC	Alkalies as Na ₂ O	IS : 4032: 1985	0.01 % to 5 %



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25	CHEMICAL- BUILDING MATERIAL	PPC	Alumina as Al ₂ O ₃	IS : 4032: 1985	0.1 % to 15 %
26	CHEMICAL- BUILDING MATERIAL	PPC	Chloride as Cl	IS : 4032: 1985	0.001 % to 2 %
27	CHEMICAL- BUILDING MATERIAL	PPC	Insoluble Residue as IR	IS : 4032: 1985	1 % to 50 %
28	CHEMICAL- BUILDING MATERIAL	PPC	Iron Oxide as Fe ₂ O ₃	IS : 4032: 1985	0.1 % to 10 %
29	CHEMICAL- BUILDING MATERIAL	PPC	Lime as CaO	IS : 4032: 1985	15 % to 60 %
30	CHEMICAL- BUILDING MATERIAL	PPC	Loss on Ignition as LOI	IS : 4032: 1985	0.1 % to 10 %
31	CHEMICAL- BUILDING MATERIAL	PPC	Magnesia as MgO	IS : 4032: 1985	0.01 % to 15 %
32	CHEMICAL- BUILDING MATERIAL	PPC	Silica as SiO ₂	IS : 4032: 1985	1 % to 45 %
33	CHEMICAL- BUILDING MATERIAL	PPC	Sulphate as SO ₃	IS : 4032: 1985	0.1 % to 6 %
34	CHEMICAL- BUILDING MATERIAL	PSC	Alkalies as Na ₂ O	IS : 4032: 1985	0.01 % to 5 %
35	CHEMICAL- BUILDING MATERIAL	PSC	Alumina as Al ₂ O ₃	IS : 4032: 1985	0.1 % to 20 %
36	CHEMICAL- BUILDING MATERIAL	PSC	Chloride as Cl	IS : 4032 : 1985	0.001 % to 2 %
37	CHEMICAL- BUILDING MATERIAL	PSC	Insoluble Residue as IR	IS : 4032: 1985	0.1 % to 30 %



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38	CHEMICAL- BUILDING MATERIAL	PSC	Iron Oxide as Fe ₂ O ₃	IS : 4032: 1985	0.1 % to 15 %
39	CHEMICAL- BUILDING MATERIAL	PSC	Lime as CaO	IS : 4032: 1985	15 % to 70 %
40	CHEMICAL- BUILDING MATERIAL	PSC	Loss on Ignition as LOI	IS : 4032 : 1985	0.1 % to 10 %
41	CHEMICAL- BUILDING MATERIAL	PSC	Magnesia as MgO	IS : 4032: 1985	0.02 % to 20 %
42	CHEMICAL- BUILDING MATERIAL	PSC	Silica as SiO ₂	IS : 4032: 1985	1 % to 50 %
43	CHEMICAL- BUILDING MATERIAL	PSC	Sulphate as SO ₃	IS : 4032: 1985	0.1 % to 5 %
44	CHEMICAL- BUILDING MATERIAL	PSC	Sulphide Sulphur as S	IS : 4032: 1985	0.1 % to 5 %
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	Ester as Ethyl Acetate	IS : 3752: 2005	1 g/100 l to 100 g/100 l
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	Fixed Acidity as tartaric acid	IS :3752: 2005	1 g/100 l to 500 g/100 l
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	Higher Alcohol as amyl alcohol	IS ; 3752: 2005	1 g/100 l to 1000 g/100 l
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	pH	IS : 3865: 2001	1 % to 14 %



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49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	Residue on Evaporation	IS : 3752: 2005	0.1 % to 50 %
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	Total Acidity	IS : 3752: 2005	1 g/100 l to 3000 g/100 l
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Alcoholic Beverages	Volatile Acidity as Acetic acid	IS : 3752 : 2005	1 g/100 l to 1000 g/100 l
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Acid Insoluble Ash	IS : 12711: 1989	0.001 % to 10 %
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Acidity of Extracted Fat as percent Oleic acid	IS : 12711: 1989	0.01 % to 20 %
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Crude Fibre	IS : 12711: 1989	0.01 % to 40 %
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Fat	IS : 12711: 1989	0.01 % to 50
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Moisture Content	IS : 12711: 1989	0.01 % to 20 %
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	pH of Extract	IS : 12711: 1989	1 to 14



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58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Protein	IS : 7219: 1973	0.01 % to 30 %
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Total Ash	IS : 12711: 1989	0.01 % to 10 %
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Product	Total Carbohydrate	IS : 1656: 2007	0.1 % to 99 %
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Acid Insoluble Ash	IS : 1009: 1968	0.001 % to 5 %
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Moisture Content	IS : 1009: 1968	0.1 % to 40 %
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Total Ash	IS : 1009: 1968	0.01 % to 20 %
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Total Protein	IS : 7219: 1973	0.1 % to 80 %
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Acidity	IS : 1166: 1986	0.01 % to 2 %
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Fat	IS : 1166: 1986	0.1 % to 30 %



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67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Titration Acidity as Lactic Acid	IS : 1166: 1986	0.01 % to 10 %
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Total Milk Solid	IS : 1166: 1986	1 % to 80 %
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Powder	Acid Insoluble Ash	IS : 1797: 1985	0.01 % to 2 %
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Powder	Moisture on dry basis	IS : 1797: 1985	0.1 % to 12 %
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Powder	Total Ash on dry basis	IS : 1797: 1985	0.01 % to 10 %
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Powder	Volatile oil	IS : 1797: 1985	0.05 % to 10 %
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Acid Insoluble Matter	IS : 253: 1985	0.001 % to 3 %
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Alkalinity as Na ₂ CO ₃	IS : 253: 1985	0.01 % to 10 %
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Chloride Content	IS : 253: 1985	1 % to 98 %



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76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Iodine as I	IS : 7224: 2006	0.01 ppm to 99 ppm
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Matter soluble in water other than NaCl	IS : 253: 1985	0.1 % to 70 %
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Moisture Content	IS : 253: 1985	0.01 % to 50 %
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Sulphate	IS : 253: 1985	0.01 % to 10 %
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Water Insoluble Matter	IS : 253: 1985	0.001 % to 10 %
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Water Soluble Calcium	IS : 253: 1985	0.001 % to 5 %
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Common Salt	Water Soluble Magnesium	IS : 253: 1986	0.001 % to 5 %
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oil	Acid Value	IS : 548 (Part - 1): 1964	0.01 to 50
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oil	Iodine Value (Wijs)	IS : 548 (Part - 1): 1964	90 to 120



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85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oil	Moisture Content	IS : 548 (Part - 1): 1964	0.01 % to 30 %
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oil	Refractive Index at 40 deg C	IS : 548 (Part - 1): 1964	1.4640 to 1.4680
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oil	Saponification value	IS : 548 (Part - 1): 1964	160 to 190
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oil	Unsaponifiable Matter	IS : 548 (Part - 1): 1964	0.1 % to 5 %
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Moisture Content	IS : 4333 (Part - 2): 2002	0.01 % to 30 %
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Physical Examination - Refractions (Split or Broken seeds of Kernel / grains)	IS : 4333 (Part - 1): 1996	0.001 % to 20 %
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Physical Examination - Refractions (Chalky/ Red / Dehusked/ Other Grains)	IS : 4333 (Part - 1): 1996	0.001 % to 20 %
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Physical Examination - Refractions (Damaged& Weevilled seeds of Kernels / Grain	IS : 4333 (Part - 1): 1996	0.001 % to 20 %



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93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Physical Examination - Refractions (Foreign Matter)	IS : 4333 (Part - 1): 1996	0.001 % to 20 %
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Physical Examination - Refractions (Slightly Damaged seeds of Kernel / Grain)	IS : 4333: 1996	0.001 % to 20 %
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Juice	Total Soluble Solid	FSSAI MANUAL OF FRUITS & VAGETABLE PRODUCTS: 2016	1 % to 90 %
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee (Butterfat)	Fat	IS : 3508: 1966	10 % to 100 %
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee (Butterfat)	Moisture	IS : 3508: 1966	0.01 % to 20 %
98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Acidity	IS : 4941: 1994	0.01 % to 20 %
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Fiehe's Test	IS : 4941: 1994	Qualitative
100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Moisture Content	IS : 4941: 1994 method B2	1 % to 50 %
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Optical Density at 660 nm	IS : 4941: 1994	0.1 to 5



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102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Specific Gravity at 27 degree C	IS : 4941: 1994	1.21 to 1.90
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Sucrose	IS : 4941: 1994	0.1 % to 40 %
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Total Ash	IS : 4941: 1994	0.01 % to 10 %
105	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Total Reducing Sugar	IS : 4941: 1994	0.1 % to 60 %
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Indian Curry Powder	Acid Insoluble Ash	IS : 1909: 1992	0.01 % to 2 %
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Indian Curry Powder	Crude Fibre	IS : 1909: 1992	0.1 % to 20 %
108	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Indian Curry Powder	Moisture	IS :1909: 1992	0.1 % to 20 %
109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Indian Curry Powder	Non Volatile Ether Extract	IS : 1909: 1992	1 % to 20 %
110	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Indian Curry Powder	Total Ash (on dry basis)	IS : 1909: 1992	0.1 % to 15 %



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111	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Indian Curry Powder	Volatile Oil	IS : 1909: 1992	0.01 ml/100g to 5 ml/100g
112	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk	acid Insoluble Ash	IS : 14433: 2006	0.001 % to 2 %
113	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk	Fat	IS : 14433: 2006	0.1 % to 30 %
114	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk	Moisture Content	IS : 14433: 2006	0.1 % to 10 %
115	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk	Total Ash	IS : 14433: 2006	0.1 % to 20 %
116	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk	Total Milk Protein	IS : 14433: 2006	0.1 % to 20 %
117	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoya	Fat	IS :4883: 1980	1 % to 80 %
118	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoya	Titration Acidity	IS : 4883: 1980	0.01 % to 10 %
119	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoya	Total Ash	IS : 4883: 1980	0.1 % to 10 %



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120	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khoya	Total Solid	IS : 4883: 1980	10 % to 99 %
121	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Acid Insoluble Ash	IS : 1009: 1979	0.001 % to 5 %
122	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Alcoholic Acidity	IS : 1009: 1979	0.001 to 5 %
123	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Gluten	IS : 1009: 1979	0.1 % to 30 %
124	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Granularity	IS : 1009: 1979	Qualitative
125	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Moisture Content	IS : 1009: 1979	0.01 % to 30 %
126	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Total Ash	IS : 1009: 1979	0.001 % to 10 %
127	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Ash	IS : 1479 (Part - II): 1961	0.01 % to 10 %
128	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Fat	IS : 1479 (Part - II): 1961	0.1 % to 10 %



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129	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	pH	IS : 1479 (Part - II): 1961	1 to 14
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	SNF (Solid Not Fat)	IS : 1479 (Part - II): 1961	0.1 % to 20 %
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Total Solid	IS : 1479 (Part - II): 1961	0.1 % to 30 %
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	True Protein	IS : 1479 (Part - II): 1961	0.1 % to 5 %
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & Dairy Products	Fat	IS : 1224 (Part -II): 1977	0.1 % to 10 %
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder	Ash Content	IS : 11721: 2013	0.1 % to 10 %
135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder	Moisture Content	IS : 11721: 2013	0.1 % to 10 %
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Acid Value	IS : 548 (Part - 1): 1964	0.1 to 80
137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Bellier turbidity temperature	IS : 548 (Part - 1): 1964	20 degree C to 30 degree C



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138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Colour	IS : 548 (Part - 1): 1964	10 to 100
139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Iodine value (Wijs)	IS : 548 (Part - 1): 1964	90 to 120
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Moisture & Insoluble impurities	IS : 548 (Part - 1): 1964	0.1 % to 10 %
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Refractive Index at 40 degree C	IS : 548 (Part - 1): 1964	1.4639 to 1.4670
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Saponification Value	IS : 548 (Part - 1): 1964	160 to 180
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil	Unsaponifiable Matter	IS : 548 (Part - 1): 1964	0.1 % to 5 %
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Noodles	Acid Insoluble Ash	IS : 1485: 1993	0.001 % to 2 %
145	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Noodles	Free Acidity	IS ; 1485: 1993	0.1 % to 10 %
146	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Noodles	Free Acidity	IS : 1485: 1993	0.1 % to 10 %



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Permanent Facility					
147	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Noodles	Moisture	IS : 1485: 1993	0.1 % to 30 %
148	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Noodles	Total Ash	IS : 1485: 1993	0.01 % to 40 %
149	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Noodles	Total Solid in Gruel	IS :1485: 1993	0.1 % to 30 %
150	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Acid Value	IS : 548 (Part - 1): 1964	0.1 to 10
151	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	B R Reading at 40 degree C	IS : 548 (Part - 1): 1964	40 to 60
152	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Bellier Test	IS : 548 (Part - 1): 1964	15 degree C to 20 degree C
153	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Cotton Seed oil test	IS : 548 (Part - 1): 1964	Qualitative
154	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Iodine Value (Wijs)	IS : 548 (Part - 1): 1964	70 to 99
155	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Refractive Index at 20 degree C	IS : 548 (Part - 1): 1964	1.4600 to 1.4650



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Permanent Facility					
156	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Saponification Value	IS : 548 (Part- 1): 1964	175 mg KOH/g Oil to 199 mg KOH/g Oil
157	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Unsaponifiable Matter	IS : 548 (Part - 1): 1964	0.1 % to 5 %
158	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer / Chenna	Total Ash	IS : 10484: 1983	0.01 % to 10 %
159	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer/ Chenna	Fat	IS : 10484: 1983	1 % to 80 %
160	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer/ Chenna	Fat	IS : 10484: 1983	1 % to 80 %
161	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer/ Chenna	Moisture	IS : 10484: 1983	10 % to 90 %
162	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paneer/ Chenna	Titration Acidity	IS : 10484: 1983	0.01 % to 5 %
163	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to eat Food	Carbohydrate (By Difference)	IS : 1656: 2007	10 % to 80 %
164	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to eat Food	Energy (on Calculation basis)	Codex Guidelines: 1985	100 Kcal/100g to 800 Kcal/100g



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Permanent Facility					
165	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to eat Food	Fat	IS : 4684 (Appendix - F): 1975	1 % to 50 %
166	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to eat Food	Moisture	IS :1011: 2002	0.1 % to 20 %
167	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to eat Food	Protein	IS : 7219: 1973	1 % to 30 %
168	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to eat Food	Total Ash	IS : 1009 (Appendix B): 1979	0.1 % to 10 %
169	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sattu	Acid Insoluble Ash	IS : 1009: 1979	0.001 % to 5 %
170	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sattu	Alcoholic Acidity	IS : 1009: 1979	0.001 % to 5 %
171	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sattu	Crude Fibre	IS : 10226 (Part -1): 1982	0.001 % to 20 %
172	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sattu	Moisture Content	IS : 1009: 1979	0.01 % to 20 %
173	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sattu	Protein	IS : 7219: 1973	0.1 % to 60 %



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Permanent Facility					
174	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sattu	Total Ash	IS : 1009: 1979	0.001 % to 20 %
175	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Acid Insoluble Ash	IS : 15279: 2003	0.001 % to 25 %
176	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Ash on Drying	IS : 15279: 2003	0.001 % to 60 %
177	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Reducing Sugar	IS : 15279: 2003	0.01 % to 70 %
178	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Sucrose	IS : 15279: 2003	0.01 % to 95 %
179	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Sulphated Ash	IS : 15279: 2003	0.001 % to 25 %
180	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Total Ash	IS : 15279: 2003	0.01 % to 25 %
181	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar	Total Protein	IS : 7219: 1973	0.01 % to 30 %
182	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Suji	Acid Insoluble Ash	IS : 1010: 1968	0.001 % to 5 %



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Permanent Facility					
183	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Suji	Alcoholic Acidity	IS : 1010: 1968	0.01 % to 5 %
184	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Suji	Gluten	IS : 1010: 1968	0.01 % to 40 %
185	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Suji	Moisture Content	IS : 1010: 1968	0.01 % to 50 %
186	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Suji	Particle Size	IS : 1010: 1968	0.01 % to 50 %
187	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Suji	Total Ash	IS : 1010: 1968	0.001 % to 10 %
188	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Alkalinity	IS : 13856: 1993	0.01 % to 5 %
189	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Moisture	IS : 13853: 1994	0.01 % to 30 %
190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Total Ash	IS : 13854: 1994	0.01 % to 40 %
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Water Extract	IS : 13862: 1999	10 % to 90 %



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Permanent Facility					
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Water Insoluble Ash	IS : 13854: 1993	0.01 % to 10 %
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Water Insoluble Ash	IS : 13855: 1994	1 % to 40 %
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Water Soluble Ash	IS : 13855: 1994	0.01 % to 20 %
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Curcumin Content	IS : 10925: 1985	0.1 % to 20 %
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Dilute HCl insoluble Ash on dry basis	IS : 1797: 1985	0.01 % to 10 %
197	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Moisture Content	IS :1797: 1985	1 % to 30 %
198	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Presence of Chromate	IS : 1797: 1985	Qualitative
199	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Starch	IS : 1797: 1985	1 % to 80 %
200	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Total Ash	IS : 1797: 1985	0.1 % to 20 %



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Permanent Facility					
201	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Acid Insoluble Ash	IS : 1155: 1968	0.001 % to 5 %
202	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Alcoholic Acidity	IS : 1155: 1968	0.1 % to 5 %
203	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Crude Fibre	IS : 1155: 1968	0.5 % to 10 %
204	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Crude Fibre	IS : 1155: 1968	0.01 % to 50 %
205	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Gluten	IS : 1155: 1968	0.1 % to 30 %
206	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Granularity	IS : 1155: 1968	Qualitative
207	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Moisture Content	IS : 1155: 1968	0.01 % to 40 %
208	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Protein	IS : 7219: 1973	0.1 % to 50 %
209	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta	Total Ash	IS : 1155: 1968	0.001 % to 10 %



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Permanent Facility					
210	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Yogurt	Acidity	IS : 9617: 1980	0.01 % to 10 %
211	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toy	Migration of certain elements (Heavy Metals)- Antimony	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
212	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toy	Migration of certain elements (Heavy Metals)- Arsenic	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
213	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toy	Migration of certain elements (Heavy Metals)- Chromium	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
214	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toy	Migration of certain elements (Heavy Metals)- Mercury	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
215	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toy	Migration of certain elements (Heavy Metals)- Selenium	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
216	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toys	Migration of certain elements (Heavy metals)- Barium	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg



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217	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toys	Migration of certain elements (heavy metals)- Cadmium	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
218	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Toys	Migration of Certain elements (Heavy Metals)- Lead	IS 9873 Part-3: 2017	10 mg/kg to 1000 mg/kg
219	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Carbon	IS : 228 (Part - 1): 1987	0.01 % to 2.5 %
220	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Chromium	IS : 228 (Part - 6): 1987	0.50 % to 1.5 %
221	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Manganese	IS : 228 (Part - 2): 1987	0.01 % to 1.5 %
222	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Nickel	IS : 228 (Part - 5): 1987	0.1 % to 1.5 %
223	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Phosphorus	IS : 228 (Part - 3): 1987	0.001 % to 1.5 %
224	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Silicon	IS : 228 (Part - 8): 1987	0.001 % to 2 %
225	CHEMICAL- METALS & ALLOYS	Low Carbon Steel	Sulphur	IS : 228 (Part - 9): 1989	0.010 % to 0.5 %
226	CHEMICAL- ORES & MINERALS	Bauxite	Alumina as Al ₂ O ₃	IS 2000 Part-3: 1985	0.05 % to 50 %
227	CHEMICAL- ORES & MINERALS	Bauxite	Iron as Fe ₂ O ₃	IS 2000 Part-4: 1985	0.05 % to 30 %
228	CHEMICAL- ORES & MINERALS	Bauxite	Loss on Ignition	IS 2000 Part-1: 1985	0.10 % to 50 %



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229	CHEMICAL- ORES & MINERALS	Bauxite	Silica as SiO ₂	IS 2000 Part-2: 1985	0.10 % to 40 %
230	CHEMICAL- ORES & MINERALS	Bauxite	Titanium as TiO ₃	IS 2000 Part-5: 1985	0.001 % to 20 %
231	CHEMICAL- ORES & MINERALS	Graphite	Ash Content	IS : 11321: 1985	0.01 % to 99 %
232	CHEMICAL- ORES & MINERALS	Graphite	Fixed Carbon	IS : 11321: 1985	0.01 % to 90 %
233	CHEMICAL- ORES & MINERALS	Graphite	Moisture Content	IS : 11321: 1985	0.01 % to 10 %
234	CHEMICAL- ORES & MINERALS	Graphite	Volatile Matter	IS : 11321: 1985	0.05 % to 40 %
235	CHEMICAL- ORES & MINERALS	Iron ore	Alumina as Al ₂ O ₃	IS : 1493 (Part - 1): 1981	0.01 % to 25 %
236	CHEMICAL- ORES & MINERALS	Iron Ore	Iron Oxide as Fe ₂ O ₃	IS : 1493 (Part - 1): 1981	10 % to 90 %
237	CHEMICAL- ORES & MINERALS	Iron Ore	Lime as CaO	IS : 1493 (Part - 1): 1981	0.01 % to 10 %
238	CHEMICAL- ORES & MINERALS	Iron Ore	Loss On Ignition	IS : 1493 (Part - 1): 1981	0.01 % to 25 %
239	CHEMICAL- ORES & MINERALS	Iron Ore	Magnesia as MgO	IS : 1493 (Part - 1): 1981	0.01 % to 5 %
240	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS : 1493 (Part - 1): 1981	0.1 % to 5 %
241	CHEMICAL- ORES & MINERALS	Iron Ore	phosphorus as P	IS : 1493 (Part - 1): 1981	0.001 % to 10 %



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Permanent Facility					
242	CHEMICAL- ORES & MINERALS	Iron Ore	Silica	IS : 1493 (Part - 1): 1981	0.1 % to 30 %
243	CHEMICAL- ORES & MINERALS	Iron ore	Sulphur as S	IS : 1493 (Part -1): 1981	0.1 % to 10 %
244	CHEMICAL- ORES & MINERALS	Limestone Dolomite	Alumina as Al ₂ O ₃	IS 1760 Part-3: 1991	0.10 % to 10 %
245	CHEMICAL- ORES & MINERALS	Limestone Dolomite	Calcium as CaO	IS 1760 Part-3: 1991	10 % to 80 %
246	CHEMICAL- ORES & MINERALS	Limestone Dolomite	Chloride as cl	IS 1760 part-4: 1991	0.01 % to 5 %
247	CHEMICAL- ORES & MINERALS	Limestone Dolomite	Magnesium Oxide as MgO	IS 1760 Part-3: 1991	0.10 % to 20 %
248	CHEMICAL- ORES & MINERALS	Limestone, Dolomite	Iron as Fe ₂ O ₃	IS 1760 Part-3: 1991	0.10 % to 20 %
249	CHEMICAL- ORES & MINERALS	Limestone, Dolomite	Loss on Ignition	IS 1760 Part-1: 1991	1 % to 60 %
250	CHEMICAL- ORES & MINERALS	Limestone, Dolomite	Silica as SiO ₂	IS 1760 Part-2: 1991	0.10 % to 50 %
251	CHEMICAL- ORES & MINERALS	Manganese Ore	Alkalies as Potassium Oxide	IS : 1473: 2004	0.01 % to 5 %
252	CHEMICAL- ORES & MINERALS	Manganese ore	Alkalies as Sodium Oxide	IS : 4032: 1985	0.1 % to 5 %
253	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina	IS : 1473: 2004	0.01 % to 20 %
254	CHEMICAL- ORES & MINERALS	Manganese Ore	Calcium Oxide	IS ; 1473: 2004	0.001 % to 5 %



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Permanent Facility					
255	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron (Total Fe)	IS : 1473: 2004	0.1 % to 35 %
256	CHEMICAL- ORES & MINERALS	Manganese ore	Magnesium Oxide	IS : 1473 : 2004	0.001 % to 5 %
257	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese (Total as Mn)	IS : 1473: 2004	0.1 % to 70 %
258	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus	IS : 1473: 2004	0.001 % to 5 %
259	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica	IS : 1473: 2004	0.1 % to 20 %
260	CHEMICAL- ORES & MINERALS	Quartz	Alumina	IS : 1917 (Part - 4): 1992	0.01 % to 10 %
261	CHEMICAL- ORES & MINERALS	Quartz	Iron as Ferric Oxide	IS : 1917(Part - 5): 1992	0.01 % to 10 %
262	CHEMICAL- ORES & MINERALS	Quartz	Loss on Ignition	IS 1917 Part-1: 1992	0.10 % to 20 %
263	CHEMICAL- ORES & MINERALS	Quartz	Silica	IS : 1917(Part - 3): 1992	0.1 % to 100 %
264	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen on Demand (BOD)	IS : 3025 (Part - 44): 1993	1 mg/l to 80 mg/l
265	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand (COD)	IS : 3025 (Part - 58): 2003	1 mg/l to 900 mg/l
266	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS : 3025 (Part - 38): 1989	1 mg/l to 50 mg/l



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Permanent Facility					
267	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Filterable Residue (Total Dissolved Solids)	IS : 3025 (Part - 16): 1984	1 mg/l to 2000 mg/l
268	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Fixed Residue	IS : 3025 (Part - 18): 1984	1 mg/l to 3500 mg/l
269	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS : 3025 (Part - 39): 1991	0.1 mg/l to 200 mg/l
270	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	pH	IS : 3025 (Part - 11): 2002	1 to 14
271	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Residue (Total Solids - Dissolved & Suspended)	IS : 3025 (Part - 15): 1984	1 mg/l to 2000 mg/l
272	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS : 3025 (Part - 17): 1984	1 mg/l to 1500 mg/l
273	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Cereal (Rice)	alpha - HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.01 microgram/litre to 20 microgram/litre
274	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Cereal (Rice)	beta - HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.01 microgram/litre to 20 microgram/litre



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
275	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Cereal (Rice)	delta - HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.01 microgram/litre to 20 microgram/litre
276	CHEMICAL-RESIDUES IN FOOD PRODUCTS	Cereal (Rice)	gamma - HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.01 microgram/litre to 20 microgram/litre
277	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Alachor	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 50 microgram/litre
278	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Aldrin/Dieldrin	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 1 microgram/litre
279	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Alpha HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 1.0 microgram/litre
280	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Aluminium	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm



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Permanent Facility					
281	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Antimony	IS : 3025 (Part -II): 2004	0.1 ppm to 10 ppm
282	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Arsenic	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm
283	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Atrazine	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 5 microgram/litre
284	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Barium	IS : 3025 (Part - II): 2004	0.1 ppm to 50 ppm
285	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Beryllium	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm
286	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Beta HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.1 microgram/litre to 1.0 microgram/litre
287	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Bismuth	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm



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Permanent Facility					
288	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Boron	IS : 3025 (Part -II): 2004	0.01 ppm to 10 ppm
289	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Butachlor	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 20 microgram/litre
290	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Cadmium	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm
291	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Chloropyriphos	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 80 microgram/litre
292	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Chromium	IS : 3025 (Part -II): 2004	0.01 ppm to 10 ppm
293	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Cobalt	IS : 3025 (Part - II): 2004	0.01 ppm to 5 ppm
294	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Copper	IS : 3025 (Part - II): 2004	0.01 ppm to 30 ppm



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Permanent Facility					
295	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	DDT (a, p and p,p - isomers of DDT, DDE and DDD)	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 5 microgram/litre
296	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Delta HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 5 microgram/litre
297	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Delta HCH	FSSAI Manual 11: 2015	0.001 microgm/l to 0.5 microgm/l
298	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Endosulfan (alpha, beta & sulphate)	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 2 microgram/litre
299	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Ethion	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 10 microgram/litre
300	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Gamma HCH	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 10 microgram/litre



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Permanent Facility					
301	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Iron	IS : 3025 (Part - II): 2004	0.01 ppm to 20 ppm
302	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Lead	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm
303	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Lithium	IS : 3025 (Part - II): 2004	0.01 ppm to 2 ppm
304	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Magnesium	IS : 3025 (Part - II): 2004	0.01 ppm to 50 ppm
305	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Malathion	FSSAI Manual 11: 2015	0.2 microgram/litre to 90 microgram/litre
306	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Manganese	IS : 3025 (Part - II): 2004	0.01 ppm to 10 ppm
307	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Methyl Parathion	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 5 microgram/litre



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Permanent Facility					
308	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Molybdenum	IS : 3025 (Part - II): 2004	0.01 ppm to 5 ppm
309	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Nickel	IS : 3025 (Part - II): 2004	0.01 ppm to 5 ppm
310	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Phorate	Lab. Manual 11 Manual of Methods of Analysis of Foods Pesticide Residues – 2015 – By FSSAI: 2015	0.2 microgram/litre to 10 microgram/litre
311	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Phosphorus	IS : 3025 (Part - II): 2004	0.01 ppm to 5 ppm
312	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Selenium	IS : 3025 (Part - II): 2004	0.01 ppm to 2 ppm
313	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Silver	IS : 3025 (Part - II): 2004	0.01 ppm to 2 ppm
314	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Strontium	IS: 3025 (Part - II): 2004	0.01 ppm to 1 ppm



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Permanent Facility					
315	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Sulphur	IS : 3025 (Part - II): 2004	0.01 ppm to 1 ppm
316	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Tin	IS : 3025 (Part - II): 2004	0.01 ppm to 2 ppm
317	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Titanium	IS : 3025 (Part - II): 2004	0.01 ppm to 2 ppm
318	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Vanadium	IS : 3025 (Part -II): 2004	0.01 ppm to 5 ppm
319	CHEMICAL-RESIDUES IN WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Zinc	IS : 3025: 2004	0.01 ppm to 20 ppm
320	CHEMICAL- SOLID FUELS	Coal	Carbon (By CHNS Analyzer)	SUNTECH/SOP/COAL/ULTIMATE ANALYSIS/01: 2016	1.0 % to 80.0 %
321	CHEMICAL- SOLID FUELS	Coal	Hydrogen (By CHNS Analyzer)	SUNTECH/SOP/COAL/ULTIMATE ANALYSIS/01: 2016	0.10 % to 20.0 %
322	CHEMICAL- SOLID FUELS	Coal	Nitrogen (By CHNS Analyzer)	SUNTECH/SOP/COAL/ULTIMATE ANALYSIS/01: 2016	0.10 % to 10.0 %



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Permanent Facility					
323	CHEMICAL- SOLID FUELS	Coal	Sulphur (By CHNS Analyzer)	SUNTECH/SOP/COAL/ ULTIMATE ANALYSIS/01: 2016	0.10 % to 20.0 %
324	CHEMICAL- SOLID FUELS	Coal & Coke	Ash Content at Air Dried basis (ADB)	IS : 1350 (PART - 1): 1984	1.0 % to 70.0 %
325	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon at Air Dried Basis (ADB) - By Difference	IS : 1350 (PART - 1): 1984	1 % to 90 %
326	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific value at Air Dried Basis (ADB)	IS : 1350 (PART - 2): 2017	1000 Kcal/Kg to 8500 Kcal/Kg
327	CHEMICAL- SOLID FUELS	Coal & Coke	Moisture Content at Air Dried Basis (ADB)	IS : 1350 (PART - 1): 1984	0.1 % to 30.0 %
328	CHEMICAL- SOLID FUELS	Coal & coke	Moisture Content at As Received Basis (ARB)	IS : 1350 (PART - 1): 1984	0.1 % to 30.0 %
329	CHEMICAL- SOLID FUELS	Coal & Coke	Moisture Content at Equilibrated Basis (40 Degree C & 60 % RH)	IS : 1350 (PART - 1): 1984	0.1 % to 30.0 %
330	CHEMICAL- SOLID FUELS	Coal & Coke	Total Moisture	IS : 1350 (PART - 1): 1984	1.0 % to 40.0 %
331	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter at Air Dried Basis (ADB)	IS : 1350 (PART - 1): 1984	0.5 % to 60.0 %
332	CHEMICAL- SOLID FUELS	Coal Ash	Alumina as Al ₂ O ₃	IS : 1355: 1984	2.0 % to 30.0 %
333	CHEMICAL- SOLID FUELS	Coal Ash	Iron Oxide as Fe ₂ O ₃	IS : 1355: 1984	0.1 % to 20.0 %
334	CHEMICAL- SOLID FUELS	Coal Ash	Lime as CaO	IS : 1355: 1984	0.1 % to 10.0 %



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Permanent Facility					
335	CHEMICAL- SOLID FUELS	Coal Ash	Magnesia as MgO	IS : 1355: 1984	0.10 % to 10.0 %
336	CHEMICAL- SOLID FUELS	Coal Ash	Silica as SiO ₂	IS : 1355: 1984	0.5 % to 60.0 %
337	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Calcium	IS : 3025 (Part - 40): 1991	0.1 mg/l to 1000 mg/l
338	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Fluoride	IS : 3025 (Part - 60): 2008	0.1 mg/l to 50 mg/l
339	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Magnesium	IS : 3025 (Part - 46): 1994	0.1 mg/l to 80 mg/l
340	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Odour	IS : 3025 (Part - 5): 1983	Qualitative
341	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	pH	IS : 3025 (Part - 11): 2002	1 to 14
342	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Phenol	IS : 3025 (Part - 43): 1992	0.1 microgm/l to 80 microgm/l



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Permanent Facility					
343	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Potassium	IS : 3025 (Part - 45): 1993	0.1 mg/l to 90 mg/l
344	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Silica	IS : 3025 (Part - 35): 1988	0.1 mg/l to 80 mg/l
345	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Sodium	IS : 3025 (Part - 45): 1993	0.1 mg/l to 90 mg/l
346	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Specific Conductance	IS : 3025 (Part - 14): 1984	0.001 micro s/cm to 2000 micro s/cm
347	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Total Residue (Total Solids - Dissolved & Suspended)	IS : 3025 (Part - 15): 1984	1 mg/l to 5000 mg/l
348	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Surface Water & Water from Purifier	Turbidity	IS : 3025 (Part - 10): 1984	1 NTU to 500 NTU
349	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Colour	IS : 3025 (Part - 4): 1983	Qualitative



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Permanent Facility					
350	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Acidity	IS : 3025 (Part - 22): 1986	0.5 ml to 500 ml
351	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Alkalinity	IS : 3025 (Part - 23): 1986	0.5 ml to 500 ml
352	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Ammonical Nitrogen	IS : 3025 (Part - 34): 1988	0.01 mg/l to 200 mg/l
353	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Bromide	IS : 3025 (Part - 30): 1988	0.1 mg/l to 100 mg/l
354	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Chloride	IS : 3025 (Part - 32): 1988	0.1 mg/l to 1000 mg/l
355	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Chlorine Demand	IS : 3025 (Part - 25): 1986	0.2 mg/l to 200 mg/l
356	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Filterable Residue (Total Dissolved Solid)	IS : 3025 (Part - 16): 1984	1 mg/l to 5000 mg/l



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Permanent Facility					
357	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Iodide	IS : 3025 (Part - 33): 2003	0.01 mg/l to 200 mg/l
358	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Nitrate	IS : 3025 (Part - 34): 1988	0.01 mg/l to 200 mg/l
359	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Nitrite	IS : 3025 (Part - 34): 1988	0.01 mg/l to 200 mg/l
360	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Non - Filterable Residue (Total Suspended Solids)	IS : 3025 (Part - 17): 1984	1 mg/l to 5000 mg/l
361	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Phosphorus	IS : 3025 (Part - 31): 1988	0.1 mg/l to 200 mg/l
362	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Residual Chlorine	IS : 3025 (Part - 26): 1986	0.1 mg/l to 50 mg/l
363	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Settleable Matter	IS : 3025 (Part - 19): 1984	0.1 mg/l to 500 mg/l



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
364	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Sulphate	IS : 3025 (Part - 24): 1986	0.1 mg/l to 800 mg/l
365	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Sulphide	IS : 3025 (Part - 29): 1986	1 mg/l to 50 mg/l
366	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Sulphite	IS : 3025 (Part - 28): 1986	0.1 mg/l to 100 mg/l
367	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Total Hardness	IS : 3025 (Part - 21): 1983	0.1 mg/l to 1000 mg/l
368	CHEMICAL- WATER	Packaged Drinking Water, Ground Water, Surface Water & Water from Purifier	Volatile & Fixed Residue (Total, Filterable & Non - Filterable)	IS : 3025 (Part - 18): 1984	1 mg/l to 5000 mg/l
369	CHEMICAL- WATER	Water	Acidity	IS : 3025 (Part - 22): 1986	0.05 ml to 50 ml
370	CHEMICAL- WATER	Water	Alkalinity	IS : 3025 (Part - 23): 1986	0.05 ml to 50 ml
371	CHEMICAL- WATER	Water	Chloride	IS : 3025 (Part - 32): 1988	0.1 mg/l to 1000 mg/l
372	CHEMICAL- WATER	Water	Fixed Residue	IS : 3025 (Part - 18): 1984	0.1 mg/l to 300 mg/l



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Permanent Facility					
373	CHEMICAL- WATER	Water	pH	IS : 3025 (Part - 11): 2002	1 to 14
374	CHEMICAL- WATER	Water	Sulphate	IS : 3025 (Part - 24): 1986	0.1 mg/l to 500 mg/l
375	CHEMICAL- WATER	Water	Total Dissolved Solid	IS : 3025 (Part - 15): 1984	0.1 mg/l to 1000 mg/l
376	CHEMICAL- WATER	Water	Total Suspended Matter	IS : 3025 (Part - 17): 1984	0.1 mg/l to 500 mg/l
377	CHEMICAL- WATER	Water	Volatile Residue	IS : 3025 (Part - 18): 1984	0.1 mg/l to 300 mg/l
378	MECHANICAL- BUILDINGS MATERIALS	Beam	Flexural Strength	IS:516: 1959	1 N/mm ² to 10 N/mm ²
379	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS:1208: 1978	5 cm to 100 cm
380	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS:1209: 1978	10 °C to 300 °C
381	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS:1203: 1978	1 div. to 400 div.
382	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS:1205: 1978	15 0C to 80 0C
383	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS:3495 Part-1: 1992	1 N/mm ² to 30 N/mm ²



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Permanent Facility					
384	MECHANICAL-BUILDINGS MATERIALS	Bricks	Efflorescence	IS:3495 Part-3: 1992	Qualitative
385	MECHANICAL-BUILDINGS MATERIALS	Bricks	Water Absorption	IS"3495 Part-2: 1992	0.10 % to 30 %
386	MECHANICAL-BUILDINGS MATERIALS	Building Stone	Water Absorption	IS:1124: 1974	0.25 % to 5 %
387	MECHANICAL-BUILDINGS MATERIALS	Coarse	10% Fines value	IS:2386 Part-4: 1963	10 kN to 1000 kN
388	MECHANICAL-BUILDINGS MATERIALS	Coarse	Abrasion Value	IS:2386 Part-4: 1963	1 % to 60 %
389	MECHANICAL-BUILDINGS MATERIALS	Coarse	Bulk Density	IS:2386 Part-3: 1963	1.20 g/cc to 3.50 g/cc
390	MECHANICAL-BUILDINGS MATERIALS	Coarse	Crushing Value	IS:2386 Part-4: 1963	1 % to 60 %
391	MECHANICAL-BUILDINGS MATERIALS	Coarse	Elongation Index	IS:2386 Part-1: 1963	1 % to 50 %
392	MECHANICAL-BUILDINGS MATERIALS	Coarse	Flakiness Index	IS:2386 Part-1: 1963	1 % to 50 %



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Permanent Facility					
393	MECHANICAL-BUILDINGS MATERIALS	Coarse	Impact Value	IS:2386 Part-4: 1963	1 % to 60 %
394	MECHANICAL-BUILDINGS MATERIALS	Coarse	Soundness	IS:2386 Part-5: 1963	1 % to 20 %
395	MECHANICAL-BUILDINGS MATERIALS	Coarse	Specific Gravity	IS:2386 Part-3: 1963	1 to 3
396	MECHANICAL-BUILDINGS MATERIALS	Coarse	Stripping Value	IS:6241: 1971	Qualitative
397	MECHANICAL-BUILDINGS MATERIALS	Coarse	Water Absorption	IS:2386 Part-3: 1963	0.10 % to 10 %
398	MECHANICAL-BUILDINGS MATERIALS	Cubes, Cores (Hardened)	Compressive Strength	IS:516: 1959	10 N/mm ² to 100 N/mm ²
399	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Ductility	IS:1208: 1978	25 cm to 90 cm
400	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Miscibility with water	IS:8887 App. H: 2017	Qualitative
401	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Particle Charge	IS:8887 App. E: 2017	Qualitative



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Permanent Facility					
402	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Penetration	IS:1203: 1978	25 div. to 200 div.
403	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Residue on 600 micron	IS:8887 App. B: 2017	0.01 % to 10 %
404	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Residue on 600 micron IS sieve	IS:8887 Ann.-B: 2017	0.01 % to 5 %
405	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Residue on Evaporation	IS:8887 App. J: 2017	1 % to 90 %
406	MECHANICAL-BUILDINGS MATERIALS	Emulsion	Storage Stability	IS:8887 App. D: 2017	0.05 % to 5 %
407	MECHANICAL-BUILDINGS MATERIALS	Fine	Sieve Analysis	IS:2386 Part-1: 1963	0.50 % to 100 %
408	MECHANICAL-BUILDINGS MATERIALS	Fine	Specific Gravity	IS:2386 Part-3: 1963	1.50 to 3.00
409	MECHANICAL-BUILDINGS MATERIALS	Fine	Water Absorption	IS:2386 Part-3: 1963	0.50 % to 5.00 %
410	MECHANICAL-BUILDINGS MATERIALS	OPC/ PPC/PSC	Consistency	IS:4031 Part-4: 1988	20 % to 40 %



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Permanent Facility					
411	MECHANICAL-BUILDINGS MATERIALS	OPC/ PPC/PSC	Fineness by Blaine's	IS:4031 Part-2: 1988	200 m ² /kg to 500 m ² /kg
412	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC/PSC	Compressive Strength	IS:4031 Part-6: 1988	20 N/mm ² to 100 N/mm ²
413	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC/PSC	Final Setting Time	IS:4031 Part-5: 1988	10 min to 24 hrs.
414	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC/PSC	Initial Setting Time	IS:4031 Part-5: 1998	10 min to 24 hrs.
415	MECHANICAL-BUILDINGS MATERIALS	OPC/PPC/PSC	Soundness by Le-Chatelier method	IS:4031 Part-3: 1988	1 mm to 15 mm
416	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS:15658 Ann. D: 2006	10 N/mm ² to 100 N/mm ²
417	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Water Absorption	IS:15658 Ann. C: 2006	1 % to 30 %
418	MECHANICAL-BUILDINGS MATERIALS	Tiles	Water Absorption	IS:13801: 2013	1 % to 25 %
419	MECHANICAL-BUILDINGS MATERIALS	Tiles	Wet Transverse Strength	IS:13801: 2013	1 N/mm ² to 5 N/mm ²



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Permanent Facility					
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing bar	Bond Stress in Pull out Test	IS:2770 Part-1: 1967	1 N/mm ² to 50 N/mm ²
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Bend Test	IS 1599: 1978, IS 1786: 2008: .	Qualitative(Mandrel dia 24, 33, 44, 54 and 80 mm)
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Elongation	IS:1608: 2005	5 % to 50 %
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS:1608: 2005	20 kN to 1000 kN load
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Weight per meter	IS:1786: 2008	0.25 kg/m to 10 kg/m
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength	IS:1608: 2005	20 kN to 1000 kN
426	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Container	Design , Shape & Dimension	IS"15410 CI 4.2: 2003	Qualitative
427	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Container	Drop Test	IS:2798 cl 8: 1998	Qualitative



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Permanent Facility					
428	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Container	Finish and Appearance	IS:15410 CI 4.3: 2003	Qualitative
429	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Container	Water Potability	IS:15410 Ann. B: 2003	Qualitative
430	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic container	Leakage	IS:2798 CI 6.1: 1998	Qualitative
431	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Polyethylene flexible Pouches	Drop Test	IS:15609 App. G: 2005	Qualitative
432	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Polyethylene flexible Pouches	Ink adhesion Test	IS:15609 App. H: 2005	Qualitative
433	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Polyethylene flexible Pouches	Resistance test for printed pouches	IS:15609 App. J: 2005	Qualitative
434	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Polyethylene flexible Pouches	Water Potability	IS:15609 App.E: 2005	Qualitative
435	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Polythene Flexible Pouches	Description	IS:15609: 2005	Qualitative
436	MECHANICAL- SOIL AND ROCK	Clay & Soil	California Bearing Ratio	IS:2720 Part-16: 1987	1 % to 70 %
437	MECHANICAL- SOIL AND ROCK	Clay & soil	Direct Shear Test (UUT)- Angle of Internal Friction	IS:2720 Part-13: 1986	1 Degree to 45 Degree



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Permanent Facility					
438	MECHANICAL- SOIL AND ROCK	Clay & Soil	Direct Shear Test (UUT)- Cohesion	IS:2720 Part-13: 1986	0.0 kg/cm ² to 1.00 kg/cm ²
439	MECHANICAL- SOIL AND ROCK	Clay & soil	Free Swell Index	IS:24720 Part-40: 1977	1 % to 100 %
440	MECHANICAL- SOIL AND ROCK	Clay & soil	Grain Size Analysis	IS:2720 Part-4: 1985	1 % to 100 %
441	MECHANICAL- SOIL AND ROCK	Clay & Soil	Heavy Compaction- Max. Dry Density	IS:2720 Part-8: 1983	1.20 g/cc to 2.50 g/cc
442	MECHANICAL- SOIL AND ROCK	Clay & Soil	Heavy Compaction- Optimum Moisture Content	IS:2720 Part-8: 1983	1 % to 25 %
443	MECHANICAL- SOIL AND ROCK	Clay & soil	Light Compaction- Max. dry Density	IS:2720 Part-7: 1980	1.20 g/cc to 2.50 g/cc
444	MECHANICAL- SOIL AND ROCK	Clay & Soil	Light Compaction- Optimum Moisture Content	IS:2720 Part-7: 1980	1.00 % to 25.00 %
445	MECHANICAL- SOIL AND ROCK	Clay & Soil	Liquid Limit	IS:2720 Part-5: 1985	5 % to 80 %
446	MECHANICAL- SOIL AND ROCK	Clay & Soil	Plastic Limit	IS:2720 Part-5: 1985	5 % to 80 %
447	MECHANICAL- SOIL AND ROCK	Clay & Soil	Shrinkage Limit	IS:2720 Part-6: 1972	5 % to 50 %
448	MECHANICAL- SOIL AND ROCK	Clay & Soil	Specific Gravity	IS:2720 Part-3: 1980	1 to 3
449	MECHANICAL- SOIL AND ROCK	Clay & Soil	Water content	IS:2720 Part-2: 1973	0.10 % to 30 %
450	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability	IS:10050: 1981	0.10 % to 50 %

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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Permanent Facility					
451	MECHANICAL- SOIL AND ROCK	Rock	Un-confined Compressive Strength	IS:9143: 1979	10 N/mm ² to 200 N/mm ²
452	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS:13030: 1991	0.10 % to 10 %
453	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Heavy Immobile Toys/ Stability of Stationary floor toy/ Toys intended to bear the mass of child	Drop Test	IS 9873 (Part-1) Cl.4..15,4.15.1,4.15.2,4 .15.3 Clause 5.24.2: 2017	Qualitative
454	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Heavy Immobile Toys/ Stability of stationary floor toy/ Toys intended to bear the mass of child	Over load Test	IS 9873 (Part-1) Cl.4..15,4.15.1,4.15.2,4 .15.3 Clause 5.12.5: 2017	Qualitative
455	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Heavy Immobile Toys/ Stability of stationary floor toy/ Toys intended to bear the mass of Child	Stability Test	IS 9873 (Part-1) Cl.4..15,4.15.1,4.15.2,4 .15.3 Clause 5.12.2 , 5.12.3: 2017	Qualitative
456	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Hemispheric Shaped toys	Compression Test	IS 9873 (Part-1) Cl. 4.5.8 Clause , 5.24.7: 2017	Qualitative
457	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Hemispheric Shaped Toys	Drop Test	IS 9873 (Part-1) Cl. 4.5.8 Clause 5.24.2: 2017	Qualitative
458	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Hemispheric shaped Toys	Tension test	IS 9873 (Part-1) Cl. 4.5.8 Clause 5.24.6: 2017	Qualitative



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Permanent Facility					
459	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Hemispheric shaped Toys	Tip Over Test	IS 9873 (Part-1) Cl. 4.5.8 Clause 5.24.3: 2017	Qualitative
460	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Hemispheric Shaped Toys	Torque Test	IS 9873 (Part-1) Cl. 4.5.8 Clause 5.24.5: 2017	Qualitative
461	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Liquid filled toys	Leakage Test	IS:9873 (Part-1) Cl. 4.25 Clause 5.19: 2017	Qualitative
462	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Mouth actuated and other toys intended to be put in mouth	Small Parts test	IS 9873 (Part-1) Cl.4.25 Clause 5.2: 2017	Qualitative
463	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Mouth Actuated and other toys intended to be put in mouth	Torque Test	IS 9873 (Part-1) Cl.4.25 Clause 5.24.5: 2017	Qualitative
464	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Mouth Actuated and other toys intended to be put-in the mouth	Tension Test	IS 9873 (Part-1) Cl.4.25 Clause 5.24.6: 2017	Qualitative
465	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Pacifiers	Test for pacifiers	IS 9873 (Part-1) Cl. 4.5.5: 2017	Qualitative
466	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Projectile Toys	Drop Test	IS 9873 (Part-1) Cl.4.18 Clause 5.24.2: 2017	Qualitative
467	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Projectile Toys	Small Part Test	IS 9873 (Part-1) Cl.4.18 Clause 5.2: 2017	Qualitative



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Permanent Facility					
468	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Projectile Toys	Tension test	IS 9873 (Part-1) Cl.4.18 Clause 5.24.6: 2017	Qualitative
469	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Projectile Toys	Torque Test	IS 9873 (Part-1) Cl.4.18 Clause 5.24.5: 2017	Qualitative
470	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Shape & size of certain Toys	Test for Pre-school Figures	IS 9873 (Part-1) Cl. 4.5 Clause 5.6: 2017	Qualitative
471	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Shape and size of certain Toys	Small Ball Test	IS 9873 (Part-1) Cl. 4.5 Clause 5.3: 2017	Qualitative
472	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Squeeze toys, Rattles and certain other toys/ certain toys with spherical ends	Test for shape and size	IS 9873 (Part-1) Cl. 4.5.1 Clause 5.3: 2017	Qualitative
473	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Squeeze toys, Rattles, Fasteners	Tension Test	IS 983 (Part-1) Cl. 4.5 Clause 5.24.6: 2017	Qualitative
474	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys	Flammability- Burnt Rate	IS 9873 (Part-2) clause 5.2 to 5.5: 2017	5.00 mm/s to 130 mm/s
475	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balloons	Small Parts Test	IS 9873 (Part-1) Cl.4..5.6 Clause 5.2: 2017	Qualitative
476	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balloons	Tension Test	IS 9873 (Part-1) Cl.4..5.6 Clause 5.24.6.1 to 5.24.6.3: 2017	Qualitative



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Permanent Facility					
477	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balloons	Thickness Test	IS 9873 (Part-1) Cl.4.5.6 Clause 5.10: 2017	0.01 mm to 12 mm
478	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balloons	Torque Test	IS 9873 (Part-1) Cl.4..5.6 Clause 5.24.5: 2017	Qualitative
479	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balls	Drop Test	IS 9873 (Part-1) Cl. 4.5.2 Clause 5.24.2: 2017	Qualitative
480	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balls	Small Ball test	IS 9873 (Part-1) Cl. 4.5.2 Clause 5.4: 2017	Qualitative
481	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balls	Tension Test	IS 9873 (Part-1) Cl. 4.5.2 Clause 5.24.6: 2017	Qualitative
482	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Balls	Torque Test	IS 9873 (Part-1) Cl. 4.5.2 Clause 5.24.5: 2017	Qualitative
483	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Cords, Chains and electrical cable in Toys/ Straps intended to be worn around the neck/ cords, straps and elastics/ Cords	Cord Thickness	IS 9873 (Part1) Cl. 4.11 Clause 5.11.1: 2017	Qualitative
484	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys- Play figure	Play Figure Test	IS 9873 (Part-1) Cl. 4.5.4 Clause 5.6: 2017	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
485	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with edges	Compression Test	IS 9873 (Part-1) Cl. 4.6 Clause 5.24.7: 2017	Qualitative
486	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with edges	Sharp edge test	IS 9873 (Part-1) Cl. 4.6 clause 5.8: 2017	Qualitative
487	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with edges	Tension test	IS 9873 (Part-1) Cl. 4.6 Clause I 5.24.6.1 to 5.24.6.3: 2017	Qualitative
488	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with edges	Torque test	IS 9873 (Part-1) Cl. 4.6 clause 5.24.5: 2017	Qualitative
489	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with expanding Materials	Compression Test	IS 9873 (Part-1) Cl.4.3.2 Clause 5.2: 2017	Qualitative
490	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with expanding Materials	Drop Test	IS 9873 (Part-1) Cl.4.3.2 Clause 5.24.2: 2017	Qualitative
491	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with expanding Materials	Expanding Materials	IS 9873 (Part-1) Cl.4.3.2 Clause 5.21: 2017	Qualitative
492	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with expanding materials	Tension Test	IS 9873 (Part-1) Cl.4.3.2 Clause 5.24.7: 2017	Qualitative
493	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Expanding Materials	Tip over test	IS 9873 (Part-1) Cl.4.3.2 Clause 5.24.5: 2017	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
494	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with expanding materials	Torque Test	IS 9873 (Part-1) Cl.4.3.2 Clause 5.24.6: 2017	Qualitative
495	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Glass & Marbles	Compression Test	IS 9873 (Part-1) Cl.4.5.7 Clause 5.24.7: 2017	Qualitative
496	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Glass & Marbles	Drop Test	IS 9873 (Part-1) Cl.4.5.7 Clause 5.24.2: 2017	Qualitative
497	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Glass & Marbles	Tension Test	IS 9873 (Part-1) Cl.4.5.7 Clause 5.24.6: 2017	Qualitative
498	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Glass & Marbles	Tip over Test for large & bulky toys	IS 9873 (Part-1) Cl.4.5.7 Clause 5.24.3: 2017	Qualitative
499	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Glass & Marbles	Torque Test	IS 9873 (Part-1) Cl.4.5.7 Clause 5.24.5: 2017	Qualitative
500	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with metal wire and rod	Flexure Test	IS 9873 (Part-1) Cl. 4.9 Clause 5.24.8: 2017	Qualitative
501	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with metal wire and rod	Sharp edge	IS 9873 (Part-1) Cl. 4.9 Clause 5.8: 2017	Qualitative
502	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with metal wire and rod	Sharp point	IS 9873 (Part-1) Cl. 4.9 Clause 5.9: 2017	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
503	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with metal wire and rod	Tension test	IS 9873 (Part-1) Cl. 4.9 Clause 5.24.6: 2017	Qualitative
504	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with Points	Sharp point test	IS 9873 (Part-1) Cl. 4.7 Clause 5.9: 2017	Qualitative
505	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with projections	Compression test	IS 9873 (Part-1) Cl. 4.8 Clause 5.24.7: 2017	Qualitative
506	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with projections	Drop Test	IS 9873 (Part-1) Cl. 4.8 Clause 5.24.2: 2017	Qualitative
507	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with projections	Flexure test	IS 9873 (Part-1) Cl. 4.8 Clause 5.24.8: 2017	Qualitative
508	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with projections	Tension Test	IS 9873 (Part-1) Cl. 4.8 Clause 5.24.6: 2017	Qualitative
509	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with projections	Tip over test	IS 9873 (Part-1) Cl. 4.8 Clause 5.24.3: 2017	Qualitative
510	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with projections	Torque test	IS 9873 (Part-1) Cl. 4.8 Clause 5.24.5: 2017	Qualitative
511	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with simulated protective devices	Impact Test	IS 9873 (Part-1) Cl. 4.17 Clause 5.14: 2017	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
512	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with small parts	Compression Test	IS 9873 (Part-1) Cl. 4.4 Clause 5.24.7: 2017	Qualitative
513	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with small parts	Drop Test	IS 9873 (Part 1) Cl. 4.4 Clause 5.24.2: 2017	Qualitative
514	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with small parts	Flexure test	IS 9873 (Part-1) Cl. 4.4 Clause 5.24.5: 2017	Qualitative
515	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with small parts	Tension test	IS 9873 (Part-1) Cl. 4.4 Clause 5.24.6.1 to 5.24.6.3: 2017	Qualitative
516	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with small parts	Tip over test for large bulky toy	IS 9873 (Part-1) Cl. 4.4 Clause 5.24.3: 2017	Qualitative
517	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys with small parts	Torque Test	IS 9873 (Part-1) Cl. 4.4 Clause 5.24.5: 2017	Qualitative
518	MECHANICAL- TOYS AND SIMILAR PRODUCTS	Toys-Parts moving against each other/ folding Mechanisms and hinges driving mechanism/ springs	Test for Springs/ Accessibility part of component	IS 9873 (Part-1) Cl.4.14 Clause 5.7: 2017	Qualitative
519	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Moisture content	IS:1708 Part-1: 1986	0.50 % to 20 %

'NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.'