National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ITC LIFE SCIENCES & TECHNOLOGY CENTRE, NO.3, 1ST MAIN ROAD, PEENYA INDUSTRIAL AREA, 1ST PHASE, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 08/03/2022 to 07/03/2024 **Last Amended on** 10/05/2022

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	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	1,3-Butadiene	SOP no. TTP/VAL/SAL/04-13 Issue no. 02,Rev no. 00 September 21
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	1-Aminonapthalene	SOP no. TTP/VAL/SAL/21-13 Issue no. 01,Rev no. 01 October 09
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	2-Aminonapthalene	SOP no. TTP/VAL/SAL/21-13 Issue no. 01,Rev no. 01 October 09
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	3-Aminobiphenyl	SOP no. TTP/VAL/SAL/21-13 Issue no. 01,Rev no. 01 October 09
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	4-(-N-Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)	SOP no. TTP/VAL/SAL/46-12 Issue no. 01,Rev no. 01,January 02
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	4-Aminobiphenyl	SOP no. TTP/VAL/SAL/21-13 Issue no. 01,Rev no. 01 October 09
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Acetaldehyde	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Acetone	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Acrolein	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Acrylonitrile	SOP no. TTP/VAL/SAL/04-13 Issue no. 02,Rev no. 00 September 21
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Ammonia	SOP no. TTP/VAL/AL/67-17 Issue no. 01, Rev no. 00 September 07
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Arsenic	SOP no. TTP/VAL/SAL/62-17 Issue no. 01, Rev no. 00 December 29
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Benzene	SOP no. TTP/VAL/SAL/04-13 Issue no. 02,Rev no. 00 September 21

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14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Benzo(a)pyrene	SOP no. TTP/VAL/SAL/61-17 Issue no. 01, Rev no. 00 September 11
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Butyraldehyde	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Cadmium	SOP no. TTP/VAL/SAL/62-17 Issue no. 01, Rev no. 00 December 29
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Carbon monoxide(CO)	ISO 8454:2007 Amendment 2
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Catechol	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Crotonaldehyde	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Eugenol	SOP no. TTP/VAL/AL/64-17 Issue no. 01, Rev no. 00,August 03
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Eugenol acetate	SOP no. TTP/VAL/AL/64-17 Issue no. 01, Rev no. 00,August 03
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Formaldehyde	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Hydrogen cyanide	SOP no. TTP/VAL/CHEM/56-17 Issue no. 01, Rev no. 01 January 11
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Hydroquinone	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Isoprene	SOP no. TTP/VAL/SAL/04-13 Issue no. 02,Rev no. 00 September 21
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Lead	SOP no. TTP/VAL/SAL/62-17 Issue no. 01, Rev no. 00 December 29
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	m-Cresol	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01

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28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Menthol	ISO 13110
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Mercury	SOP no. TTP/VAL/SAL/62-17 Issue no. 01, Rev no. 00 December 29
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	N- Nitrosonornicotine (NNN)	SOP no. TTP/VAL/SAL/46-12 Issue no. 01,Rev no. 01,January 02
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Nicotine	ISO 10315
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Nicotine free dry particulate matter (NFDPM)(TAR)	ISO 4387
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	N-Nitrosoanabasine (NAB)	SOP no. TTP/VAL/SAL/46-12 Issue no. 01,Rev no. 01,January 02
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	N-Nitrosoanatabine (NAT)	SOP no. TTP/VAL/SAL/46-12 Issue no. 01,Rev no. 01,January 02
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	o-Cresol	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Oxides of Nitrogen (NO)	SOP no. TTP/VAL/SMK/70-17 Issue no. 01, Rev no. 01 July 28
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Oxides of Nitrogen (NOx)	SOP no. TTP/VAL/SMK/70-17 Issue no. 01, Rev no. 01 July 28
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	p-Cresol	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	pH	SOP no. TTP/VAL/SMK/03-16 Issue no. 01, Rev no. 02, January 12
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Phenol	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Propionaldehyde	SOP no. TTP/VAL/SAL/01-09 Issue no. 01,Rev no. 01, November 09

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42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Puff no.	ISO 4387
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Pyridine	SOP no. TTP/VAL/SAL/45-12 Issue no. 01, Rev no. 00, September 22
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Quinoline	SOP no. TTP/VAL/SAL/45-12 Issue no. 01, Rev no. 00, September 22
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Rescorcinol	SOP no. TTP/VAL/SAL/41-12 Issue no. 01, Rev no. 01 October 01
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	Toluene	SOP no. TTP/VAL/SAL/04-13 Issue no. 02,Rev no. 00 September 21
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cigarette smoke	trans-Caryophyllene	SOP no. TTP/VAL/AL/64-17 Issue no. 01, Rev no. 00,August 03
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	4-(-N-Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)	SOP no. TTP/VAL/SAL/13-12 Issue no. 01, Rev no. 01, January 02
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Acid Insoluble ash as Silica	SOP no. TTP/VAL/AL/06-12 Issue no. 01, Rev no. 01, October 01
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Ammonia	SOP no. TTP/VAL/AL/66-17 Issue no. 01, Rev no. 00, March 03
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Anabasine	SOP no. TTP/VAL/SAL/59-17, Issue no. 01, Rev no. 00, August 18
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Anatabine	SOP no. TTP/VAL/SAL/59-17, Issue no. 01, Rev no. 00, August 18
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Arsenic	SOP no. TTP/VAL/SAL/05-12 Issue no. 01, Rev no. 01, September 21
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Ash	SOP no. TTP/VAL/AL/06-12 Issue no. 01, Rev no. 01, October 01
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Benzo(a)pyrene	SOP no. TTP/VAL/SAL/60-17 Issue no. 01, Rev no. 00, September 28

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56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Cadmium	SOP no. TTP/VAL/SAL/05-12 Issue no. 01, Rev no. 01, September 21
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Chloride	SOP no. TTP/VAL/CHEM/04-10 Issue no. 01, Rev no. 00, December 01
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Coumarin	SOP no. TTP/VAL/SAL/12-13 Issue no. 01, Rev no. 00, March 25
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Eugenol acetate	SOP no. TTP/VAL/AL/63-17 Issue no. 01, Rev no. 00, August 03
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Expanded tobacco	SOP no. TTP/VAL/CHEM/48-15 Issue no. 01, Rev no. 00, August 25
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Gelatin identification in capsule	SOP no. TTP/VAL/AL/68-17 Issue no. 01, Rev no. 00, July 18
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Glycerol	WHO-SOP6
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Lead	SOP no. TTP/VAL/SAL/05-12 Issue no. 01, Rev no. 01, September 21
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Menthol content in Bobbins	SOP no. TTP/VAL/AL/10-12 Issue no. 01, Rev no. 00, November 04
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Menthol content in capsule	SOP no. TTP/VAL/AL/65-17 Issue no. 01, Rev no. 00, April 27
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Menthol content in Cigarettes	SOP no. TTP/VAL/AL/10-12 Issue no. 01, Rev no. 00, November 04
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Mercury	SOP no. TTP/VAL/SAL/05-12 Issue no. 01, Rev no. 01, September 21
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Myosmine	SOP no. TTP/VAL/SAL/59-17, Issue no. 01, Rev no. 00, August 18
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Nitrate	ISO 15517:2003 (Amendment 1)

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70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	N-Nitrosoanabasine (NAB)	SOP no. TTP/VAL/SAL/13-12 Issue no. 01, Rev no. 01, January 02
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	N-Nitrosoanatabine (NAT)	SOP no. TTP/VAL/SAL/13-12 Issue no. 01, Rev no. 01, January 02
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Nornicotine	SOP no. TTP/VAL/SAL/59-17, Issue no. 01, Rev no. 00, August 18
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Oven moisture (Loss on drying)	SOP no. TTP/VAL/PHY/01-10 Issue no. 02, Rev no. 00, December 16
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	pH	SOP no. TTP/VAL/SAL/57-17 Issue no. 01, Rev no. 00, August 04
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Propylene glycol	WHO-SOP6
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Recon content	SOP no. TTP/VAL/CHEM/07-10 Issue no. 01, Rev no. 00, May 01
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Reducing sugars	SOP no. TTP/VAL/CHEM/02-10 Issue no. 01, Rev no. 00, December 01
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Total alkaloids as Nicotine (TNA)	SOP no. TTP/VAL/CHEM/08-12 Issue no. 02, Rev no. 00, February 06
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Total Nicotine	SOP no. TTP/VAL/SAL/58-17 Issue no. 01, Rev no. 00, August 09
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	Total sugars	SOP no. TTP/VAL/CHEM/03-10 Issue no. 01, Rev no. 00, December 01
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco & tobacco products	trans-Caryophyllene	SOP no. TTP/VAL/AL/63-17 Issue no. 01, Rev no. 00, August 03
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco and tobacco products	Triethylene glycol	WHO-SOP6
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco andtobacco products	Eugenol	SOP no. TTP/VAL/AL/63-17 Issue no. 01, Rev no. 00, August 03

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84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco andtobacco products	Moisture by Karl Fischer	ISO 6488
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco andtobacco products	Neotame	SOP no. TTP/VAL/AL/71-19 Issue no. 01,Rev no. 00, December 16
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco andtobacco products	N-Nitrosonornicotine (NNN)	SOP no. TTP/VAL/SAL/13-12 Issue no. 01, Rev no. 01, January 02
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tobacco andtobacco products	Saccharin	SOP no. TTP/VAL/AL/71-19, Issue No.01, Rev No. 00, December 16,
88	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	2,4,5-T	SOP no. TTP/VAL/AL/47-15 Issue no. 01, Rev no. 01, January 05
89	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	2,4-D	SOP no. TTP/VAL/AL/47-15 Issue no. 01, Rev no. 01, January 05
90	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	2,4-DDD	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
91	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	2,4-DDE	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
92	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	2,4-DDT	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
93	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	4,4-DDD(TDE)	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
94	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	4,4-DDE	SSOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
95	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	4,4-DDT	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
96	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Aldrin	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
97	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Chlordane	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03

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98	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Dicamba	SOP no. TTP/VAL/AL/47-15 Issue no. 01, Rev no. 01, January 05
99	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Dieldrin	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
100	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Endrin	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
101	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Formothion	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
102	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Heptachlor	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
103	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Heptachlor epoxide	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
104	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Total permethrin	SOP no. TTP/VAL/AL/50-15 Issue no. 01, Rev no. 00, December 03
105	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pesticide residues in tobacco	Toxaphene	SOP no. TTP/VAL/AL/49-15 Issue no. 01, Rev no. 00, December 03
106	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Draw resistance(Pressure drop) - Cigarette - unbound	ISO 6565
107	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Draw resistance(Pressure drop)- Cigarette- bound	ISO 6565
108	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Filling density	IS 1577 (Annexure D)
109	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Filter composition	SOP no. TTP/VAL/PHY/51-15 Issue no. 01, Rev no. 00, December 15
110	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Firmness	SOP no. TTP/VAL/PHY/03-10 Issue no. 02, Rev no. 00, December 16
111	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Ignition propensity(% full length burn)	ISO 12863:2010
112	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Ignition strength(% full length burn)	ASTM 2187

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113	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Length (Dimensions)	IS 1577 (Annexure A)
114	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Loose shorts	SOP no. TTP/VAL/PHY/30-19 Issue no. 01, Rev no. 00, 31st Oct
115	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Loss of Tobacco from the ends	ISO 3550:Part 1
116	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Net wt. of tobacco per cig (Mean mass of tobacco blend)	IS 1577 (Annexure C)
117	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Nominal diameter-circumference	ISO 2971
118	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Permeability-Cigarette spills-banded paper	ISO 2965
119	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Permeability-Cigarette spills-Standard paper	ISO 2965
120	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Pressure drop-Filter plug	ISO 6565
121	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Ventilation	ISO 9512
122	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Ventilation type	SOP no. TTP/SOP/PHY/17-17 Issue no. 01, Rev no. 00, September 08
123	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette	Weight	SOP no. TTP/VAL/PHY/29-19 Issue no. 01, Rev no. 00,31st Oct
124	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette pack	Pack seal strength	SOP no. TTP/VAL/PHY/05-10 Issue no. 02, Rev no. 00, December 16
125	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette-Paper	Air permeability- Banded paper	ISO 2965
126	MECHANICAL- PAPER & PAPER PRODUCTS	Cigarette-paper	Air permeability-standard paper	ISO 2965
127	MECHANICAL- PAPER & PAPER PRODUCTS	Paper/Paper board	Grammage	ISO 536
128	MECHANICAL- PAPER & PAPER PRODUCTS	Tobacco	Lamina strip particle size determination (Quality ratio)	N 16 Coresta method
129	MECHANICAL- PAPER & PAPER PRODUCTS	Tobacco	Width of tobacco shreds (CPI)	ISO 20193