

### Testing Charges (w.e.f. 12.12.2014)

Sr No	Particulars of the Test	Testing Charges (INR)
1	Accelerated ageing test / Day	1500
2	Adhesion performance (gummed paper tape)	600
3	Adhesion strength of adhesive	1100
4	Adhesion strength of pressure sensitive cellulose tapes	1100
5	Adhesion strength of pressure sensitive tape to self	1100
6	Adhesive content	600
7	Air resistance	550
8	Alkalinity of paper	550
9	Alkalinity of paper board, etc.	550
10	Alkalinity of glass	1650
11	Alkali resistance	550
12	Alkali staining number	600
13	Alpha cellulose content	1100
14	Annealing defects in glass bottles	900
15	Anchorage of adhesives in pressure sensitive cellulose tapes	550
16	Ash content	600
17	Bacteria count	1650
18	Bending test for boards	500
19	Bitumen content	550
20	Bleeding resistance (for bitumen impregnated paper)	550
21	Blocking resistance	700
22	Breaking length of paper	700

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Sr No	Particulars of the Test	Testing Charges (INR)
23	Brightness	700
24	Boiling range	550
25	Brimful capacity	550
26	Bottom Lift Test for FIBC/IBC	1750
27	Bulk of paper & paperboard	550
28	Burst factor	700
29	Burst Index	700
30	Bursting strength of paper and paperboard	550
31	Bursting strength of cloth	550
32	Bursting strength, wet	600
33	Caliper (thickness)	500
34	Carbon Black Content (plastic)	1750
35	Capacity of bottles/drums/Jerrycans	500
36	Carbon coating and solvent soluble coating	600
37	Carbon dioxide analysis (head Space)	1100
38	Carbon dispersion	900
39	Cellulose content (alpha, beta and gamma individually)	1650
40	Central loading of plate (for plywood)	1500
41	Chemical alteration on cheque paper (observation)	1650
42	Chemical resistance of HDPE containers	900
43	Chloride content	700
44	Chromo coating of paper/board	900

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Sr No	Particulars of the Test	Testing Charges (INR)
45	Cleavage test for wood	900
46	Coating machine trial on K coater for 6 hrs. or part thereof	2650
47	Coating machine trial on lab model for 6 hrs. or part thereof	2650
48	Coating thickness (by ELCO meter)	700
49	Coliform count	1800
50	Colour comparison	700
51	Compressibility/Recovery of cork/EPE	1650
52	Compression strength of cartons (duplex board, E, Fluted, grey board)	1100
53	Compression energy set	700
54	Compression strength of paper core (radial/axial)	1100
55	Compression strength of transport containers	1100
56	Compression strength test on buckets (1+1 stack) as per customer specified std.	1100
57	Compression strength of wood	1100
58	Compression energy of transport container	1350
59	Compression Strength for FIBCs	1750
60	Concentration of sodium carbonate	600
61	Concentration of sodium hydroxide	600
62	Copper number of paper	900
63	Corrugated medium test (CONCORA)	900
64	Crack resistance of blow moulded Plastic container	1750
65	Cut out and filling	500
66	Cyclic top lift for FIBC	2700

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Sr No	Particulars of the Test	Testing Charges (INR)
67	Cyclic Test on FIBCs (upto 60 cycles)	1750
68	Dart impact	700
69	Density (Denier/Specific Gravity)	600
70	Determination of stability of pressure sensitive tape	1750
71	Dimensional change of paper/films	900
72	Dimension of carton/box/other packages (including partitions) per dimension	500
73	Dimension of bottles : glass/plastic	1750
74	Drop test (sequential drops)	2000
75	Drop Test for FIBCs/IBC	2700
76	Durability test (pencil/pen/carbon sheets)	700
77	Edge crush test (for CFB)	700
78	Effect of natural light on paper/film (visual observations)	550
79	Effect of temperatures on paper/film (visual observations)	700
80	Effectiveness of temporary	1750
81	Effectiveness of VCI/VPI coated paper	900
82	Efficiency of closure wads (leakage) under vibratory condition and at 55 ± 1deg C temperature for 72 hrs.	7500
83	Elongation for plastic film/straps	600
84	Environmental stress crack resistance (plastics)	1500
85	Estimation of fatty and rasin acid in paper extractable by ether	1150
86	Estimation of lead and lead components in paper	1150
87	Excess paper used in fluting media (draw factor)	550
88	Exposre to high temperature (23 to 350 Degree)/day	500

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Sr No	Particulars of the Test	Testing Charges (INR)
89	Exposure to low temperature (0 to -20 Degree)/day	3300
90	Extractability studies (Migration) on plastics (One Simulant)	3630
91	Extractability studies (Migration) on plastics (Four Simulant)	15000
92	Exudation test (for bitumen/pitch coal tar impregnated paper)	600
93	Fastness to light (by uv light--carbon arc/xenon lamp)	10000
94	Fibre analysis (qualitative) (Single Ply)	600
95	Fibre analysis for 2 plies	650
96	Fibre analysis for 3 plies	750
97	Fibre analysis for 5 plies	950
98	Fibre analysis for 7 plies	1200
99	Fibre board -- static bending test	700
100	Flammability of treated paper,board and film	550
101	Flat crush resistance	600
102	Flex crack resistance	1800
103	Flexural properties of rigid/semi-rigid plastics	900
104	Flute height	500
105	Folding endurance :(Schopper type) for paper , paperboard	600
106	Folding endurance : Material other than paper , paperboard	700
107	Friction Testing :Co-efficient of friction of plastic film (Static / Dynamic for Film to Film / Film to Metal)	900
108	Fumigation retention	2600
109	Fungus resistance of paper and paperboard (Mildew)	1650
110	Fungus resistance of plywood	1650

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Sr No	Particulars of the Test	Testing Charges (INR)
111	Fungus resistance (effectiveness of preservatives)	1650
112	Gas permeability (O <sub>2</sub> ) for each gas for film	4950
113	Glass content in FRP	700
114	Gloss	700
115	Glue shear strength	900
116	Grammage of paper	500
117	Grammage of 3 ply	600
118	Grammage of 5 ply	700
119	Grammage of 7 ply	900
120	Grammage of other combinations (per ply/sample) (In case of flexible laminates and coated material)	500
121	Grease resistance	550
122	Handle strength of HDPE containers	600
123	Handle pull of HDPE/metal containers	600
124	Handle pull test for PP/CFB cartons	900
125	Hardness (indentation) test-for wood	900
126	Hardness (indentation) test-for nylon insulated joints/containers	700
127	Haze	700
128	Heat seal strength/set of condition (fin seal or lap seal)	900
129	Heat seal energy absorption	900
130	Heat shrinkage of plastic films	700
131	Hot Tack Test (film, laminates)	2700
132	Hydraulic pressure test (containers)	900

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Sr No	Particulars of the Test	Testing Charges (INR)
133	Hydraulic Pressure Test for IBC	1750
134	Hydrostatic pressure test for glass/plastic bottles	600
135	Ice Melting Rate (Temp. Set)	3600
136	Identification of adhesive (in packaging material)	700
137	Identification of gum (in fibre board)	550
138	Identification of materials in multi-layer/co-extruded film by DSC/TMA	6600
139	Identification of plastics(chemical method)	1500
140	Impact test (for glass bottles)	600
141	Impact withstand test (Ball impact test)	2000
142	Inclined impact test (for transport containers)	2000
143	Ink adhesion test	600
144	Izod impact test	700
145	Kries test for oil	550
146	Lacquer coating, determination of continuity of coating (visual and comparative)	1100
147	Lacquer curing test	700
148	Leak in heat sealed flexible packages	550
149	Leakage Test for IBC	1750
150	Leakage test of (air pressure)(plastic containers / for metal containers)	550
151	Legibility of typing (for stencil paper)	550
152	Load bearing capacity (paper pulp moulded tray)	550
153	Machine/cross direction of (paper and paperboard)	550
154	Melt flow index	1320

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Sr No	Particulars of the Test	Testing Charges (INR)
155	Melting point of glass	1100
156	Melting point of wax and other materials	600
157	Melting/softening point of plastic	1350
158	Mesh	550
159	Miscibility test	550
160	Modulus of elasticity (for thin plastic sheeting)	900
161	Moisture absorption of paper and board at varying conditions (per condition)	550
162	Moisture content for paper	550
163	Moisture content for paper wood	550
164	Moisture content by Toluene distillation method	900
165	Moisture content by Karl Fischer	1500
166	Moisture resistance (for stencil paper)	550
167	Nail withdrawal or nail holding power	600
168	Neck cracking test for HDPE containers	600
169	Nitrogen in paper and paper board	900
170	Non-volatile matter	900
171	Observations on CFB boxstyle, no. of plies, no. of pieces, mfrs. joint etc. or	550
172	general (on packaging for external defects) per observation	550
173	Odour pick up (from packaging materials or container)	1100
174	Oil Penetration	600
175	Oil content in Hessian Cloth	800
176	Opacity	700



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Sr No	Particulars of the Test	Testing Charges (INR)
177	Optical Density	1100
178	Oxygen analysis (head space)	1100
179	Pallet testing dimensions (per dimension)	500
180	<b>Pallet stacking test</b>	
181	(a)Pallet corner block	900
182	(b)bending test	900
183	(c)bottom deck test	900
184	<b>Pallet testing Inclined impact tests</b>	
185	(a)shear test	1100
186	(b)leading edge impact test	1100
187	(c)block impact test	1100
188	Pallet testing corner drop test	1100
189	Peroxide value of oil	700
190	T-Peel test for gummed paper/adhesives	700
191	Peel test for gummed paper/other packaging materials (flexible)	600
192	Peel test with Doyle attachment for laminates/adhesives	600
193	Penetration resistance of HDPE containers	900
194	Performance test for stencil paper	1100
195	Permeability of HDPE containers	900
196	Phenol co-efficient determination	1750
197	pH Value	550
198	Pinhole count	700

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Sr No	Particulars of the Test	Testing Charges (INR)
199	Ply separation of combined Board	550
200	Plybond test for CFB	700
201	Porosity of paper and board (Bendsten/Sheffield)	550
202	Porter/Shots of Hessian (ends/picks of Hessian)	550
203	Pouch burst test	700
<b>204</b>	<b>Presence of impurities in paper and paperboard</b>	
205	(i)qualitative analysis	900
206	(ii)qualitative analysis (per impurity)	900
207	Presence of sulphur	550
208	Product resistance	900
209	Puncture resistance	550
210	Qualitative examination of minerals, filler and mineral coating on paper	1750
211	Rain rest (for transopt containers)	900
212	Reaction with conc. H <sub>2</sub> SO <sub>4</sub>	500
213	Ream weight	550
214	Relative stability of paper (effect of heat on folding endurance)	900
215	Resistance to acetic acid (for tin plate container)	900
216	Resistance to moisture (plywood)	700
217	Resistance of print to cheese	900
218	Resistance of printed containers to product	900
219	Resistance to solvents for plastic films (aliphatic/aromatic/chlorinated solvents)	2650
220	Resistance to chemicals	2650

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Sr No	Particulars of the Test	Testing Charges (INR)
221	Resistance to sulphur staining (for tin plate container)	2300
222	Righting Test for FIBC	1750
223	Ring Crush Test	600
224	Rolling test (for transport container)	550
225	Rasin in paper & paperboard (qualitative)	550
226	Rust resistance test for tin plate (visual and comparative) (thiosulphate method)	900
227	Salt droplet test for corrosion of tin plates	1100
228	Salt spray test	2650
229	Sample (chemical)preparation for alkali resistance test	550
230	Saponification value	900
231	Scotch tape test for tin lacquering	550
232	Scuff proofness	700
233	Seam strength of fabrics and other materials	700
234	Shock absorbing characteristics of cushioning material (per thickness per drop height)	2500
235	Shock test	2650
236	Sizing properties (qualitative test)	550
237	Smoothness of paper & board (Bendsten/Sheffield)	550
238	Soap jelly test	550
239	Soap /Detergent resistance test	550
240	Sodium benzoate content in paper	700
241	Softener content in films/paper (glycerol content)	900
242	Solvent soluble matter in leather	700

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Sr No	Particulars of the Test	Testing Charges (INR)
243	Spencer impact test	700
244	<b>Stack load test :</b>	
245	(i) transport container	2000
246	(ii) pulp moulded tray	900
247	(iii) FLBC Containers	2700
248	<b>Static bending :</b>	
249	--for plywood	900
250	--for wood	900
251	Stack Load for FIBC/IBC	1750
252	Stack simulation using compression tester	1750
253	Stiffness (Buchel/Kenley) of paper and paperboard	700
254	Stiffness-Taber (for paper and paperboard)	700
255	Stress crack resistance for plastic plugs	900
256	Sulphate content	700
257	Sulphur dioxide test for porosity and rust resistance	900
258	Surface resistivity Test	1750
259	Tack test (rolling ball)	1100
260	Tear factor	700
261	Tear Index	700
262	Tear strength	550
263	Tear Strength for FIBC	1750
264	Tenacity	900

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Sr No	Particulars of the Test	Testing Charges (INR)
265	Tensile strength and % elongation for paper and paperboard	700
266	Tensile strength-dry (MD & CD)	700
267	Tensile strength -- wood/plywood	1100
268	Tensile strength, % elongation and energy at break for plastic strappings/fabrics and allied materials	1100
269	Tensile strength and % elongation for plastic strappings, fabrics and allied materials	1100
270	Tensile strength/Breaking load for plastic strappings, fabrics and allied materials	700
271	Tensile strength and % elongation of paper and paperboard (wet)	900
272	Tensile Index	900
273	Thermal shock test (for neck-glass bottles)	700
274	Thermal shock test (for glass bottles)	700
275	Tin coating of tin plate	1800
276	Tin coating continuity (visual and comparative)	900
277	Tin content (%) of soft solder	1500
278	Titanium dioxide content	1100
279	Top Lift for FIBC/IBC	1750
280	Topling test	550
281	Topple Test for FIBC	1750
282	Total solids in adhesives	600
283	Torque test of caps	700
284	Toughness/Dynamic tensile test	550
285	Transparency	700
286	Transport-worthiness of filled packages (Schedule of tests will depend upon product/package/transport)	3550

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Sr No	Particulars of the Test	Testing Charges (INR)
287	Transport-worthiness as per IMDG code (stack load/hydraulic/drop tests/leakage)	3550
288	Treatability test (the dyne test for measuring the degree of pretreatment of plastic film)	1100
289	Type of fluting (for CFB)/flute	550
290	Use with stylus (for stencil paper)	550
291	UV Resistance Test (Fluorescent UV-B Lamp) for 144 hrs exposure	7200
292	Vacuum leakage test (Container)	900
293	Vibration test of on frequency for 1 hr.	2000
294	- for every additional hour	1300
295	- with load	3500
296	Viscosity	550
297	Viscosity of nylon	900
298	Verticality test (for glass bottles)	600
299	Water absorbency	550
300	Water absorption in plastics	700
301	Waterproofness/Cobb test	600
302	Water resistance for plywood	900
303	Water resistance of glue bond by immersion	600
304	Water Vapour Transmission Rate (By MOCON)	4950
305	Water vapour transmission rate (creased and uncreased sample per side) (Dish method)	1100
306	Water soluble matter in leather	700
307	Wax absorptiveness	700
308	Wax content (ether extraction method)	900

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Sr No	Particulars of the Test	Testing Charges (INR)
309	Wax coverage (content)	600
310	Wax pick up number (Dennision wax number)	1100
311	Weight of Carton/box	500
312	Weight of Hessian (mass/sq. m)	600
313	Weight of surface wax on waxed paper	600
314	Yield tolerance	900
315	Heavy Element Analysis	4950
	<b><u>NEW ADDITIONS IN TESTING FACILITY</u></b>	
1	Delamination Charges for Laminates	300
2	Xenon Exposure/150 hrs as per IS 7903	8500
3	Xenon Exposure for 500 hrs as per IS 15351	15000
4	UV Exposure/Day	1200
5	FTIR	6600
	<b><u>DISCOUNTS</u></b>	
1	Discounts for Ordinary Members of IIP	10%
2	Discounts for Life/Patron Members of IIP	15%
	<b><u>TATKAL CHARGES</u></b>	
	Tatkal Charges will be double the above rates and service will be provided within two working days excluding the test duration as per the test protocol / Specification.	