

TESTING CHARGES

S.No.	Name of the instruments	Proposed Charges/per sample(Rs.) INDUSTRY	Existing Charges/per sample(Rs.) INDUSTRY
CHEMICAL			
INSTRUMENT USAGE CHARGES FOR R&D			
1.	Atomic Force Microscope-AFM	7000	7000
2.	Capillary Flow Porometer ,Air-Permeability	3900	3900
3.	Capillary Flow Porometer,Porosity	7800	7800
4.	CHNS-Elemental Analyser	3000	3000
5.	Circular Dichroism Spectrapolarimeter	3000	3000
6.	Contact Angle Meter	1000	1000
7.	Desktop SEM-Low Resolution	3000	3000
8.	Desktop TEM	4000	4000
9.	Differential Scanning Calorimeter-DSC	3500	3000
10.	Electrochemical Workstation	2000	2000
11.	Electron Paramagnetic Resonance Spectrometer(EPR)	2000/Powder RT	2000/Powder RT
12.	Electron Paramagnetic Resonance Spectrometer(EPR)	2500/Liquid LT	2500/Liquid LT
13.	Electrospinning	1500/Hour	1500/Hour
14.	ESI-MS	2000	1800
15.	Flow Cytometer(FACS)	2500/Hour	2500/Hour
16.	Fluorescence life time Spectra	2500	2500
17.	Fluorescence Spectrometer	2000	2000
18.	Fourier Transform Infrared Spectroscopy-FTIR	2000	1500
19.	Gait and motion Analysis	10000	10000
20.	Gel permeation Chromatography-GPC	2500	2500
21.	High Pressure Liquid Chromatography-HPLC	2000	Charges based on the samples
22.	Ultra performance Liquid Chromatography-UPLC	2000	Charges based on the samples
23.	ICP-OES	2000/element(500 for subsequent elements)	1000/element 300 for subsequent elements)
24.	LC-MS	5000	4000
25.	LC-HR-MS	5000	5000
26.	Macromolecular X-ray Diffractometer(Data Collection)	8000	8000
27.	MALDI-TOF	2000	Charges based on the samples
28.	Particle size Analysis	4000	3500
29.	Powder XRD	1750	1750
30.	Raman Spectroscopy	3000	2500
31.	Reflectance spectrophotometer	1000	1000
32.	SEM Analysis – High Resolution	6000	6000
33.	SEM with EDS	12000	12000
34.	Small angle X-ray Scattering (SAXS)	5000	5000
35.	Solid-State 400MHz- Nuclear Magnetic	10000/hour	10000/hour

All charges excluded GST at actual.

	Resonance Spectrometer(NMR)	(5000 for each addition ½ hour)	(5000 for each addition ½ hour)
36.	Solution-State 400MHz- Nuclear Magnetic Resonance Spectrometer(NMR)	2250/hour (1125 for each additional ½ hour)	2250/hour (1125 for each additional ½ hour)
37.	Surface Tension	1200	1200
38.	Tensiometer (CMC determination)	1200	1200
39.	Thermo Gravimetric Analysis	3000 for 10° C and 20° C 4000 for 5° Cand below	3000
40.	Time Resolved Emission spectra(TRES)	4000	4000
41.	TOC Analysis	750	750
42.	UV-PDA(liquid) Spectrophotometer	800	600
43.	UV-Visible NIR Spectra(200-3000 nm)	3250	3250
44.	UV-Visible NIR Spectra, Chemical Kinetics per hour(200-3000 nm)	2000/hour	2000/hour
45.	Xenon Lamp (300 W) and Solar simulator(1.5 AM)	2000/hour	2000/hour
46.	Zeta Potential Analysis	4000	3500
47.	GC-MS	5000	5000
48.	Ion Chromatography	5000	-
49.	GC-MS-MS-Headspace	5000	5000
50.	GC-ECD/FID/FPD	3000	-
51.	Young's Modulus for Biological Film	5000	-
CHEMICAL			
ANALYSIS BASED			
52.	Chrome Oxide	1000	600
53.	colodium	1000	1000
54.	pH of water soluble & Difference Figure	500	500
55.	Moisture /Volatile Matter	500	500
56.	Nitrogen & hide Substance	500	500
57.	pH of water soluble	250*	250
58.	Solvent extractable substance	1000	500
59.	Solvent extractable substance & FFA	1500	1000
60.	Specific Gravity(density)	500	500
61.	Spew Observatory test	5000	5000
62.	Sulphated ash of water	600	600
63.	Total Ash	500	500
64.	Total Ash,Hide Substance (protein),% of water soluble organic and fat or degree of tannage	3000	2100
65.	Volatile matter	500	500
66.	Water insoluble ash	800	600
67.	Water soluble chloride	500	500
68.	Water soluble matter/wash content	800	300
69.	Water soluble organics substance	800	600
70.	Water soluble sulphate	500	500
71.	Azo dyes	3500	3500
72.	Chlorophenol (tri,tetra,penta)	5000	5000
73.	Chrome VI Content	2000	1000
74.	Chrome VI Content-(after ageing)	2500	1500

All charges excluded GST at actual.

75.	Chrome VI Content-(before & after ageing)	3000	2500
76.	DMFU	5000	5000
77.	DMFA	5000	2000
78.	EthoxylatedAlkylphenol (Nonyl&Octyl)	4000	4000
79.	Formaldehyde content(chemical)	3000	3000
80.	Formaldehyde content (Leather)	2000	1000
81.	Nickel release	1000	1000
82.	Organotins	4000	4000
83.	PAH	4000	4000
84.	PCB (Polychlorinated biphenyl)	5000	5000
85.	PCP (Pentachlorophenol)	2000	2000
86.	Pesticides	5000	5000
87.	Phthalates	2000	2000
88.	Preservatives(TCMTB, PCMC, OPP,OIT)	6500	6500
89.	Short chain chloro paraffin (C ₁₀ -C ₁₃)	4000	4000
90.	Tetrachlorophenol	2000	2000
91.	Trace elements(per element)	3000	1000
92.	Tri &Tetrachlorophenol	3000	3000
93.	Trichlorophenol	2000	2000
94.	Mono,Di,Tri,Tetra&Pentachlorophenol	5000	-
95.	Free phenol content	3000	-
96.	Combined Oil	1500	-
97.	Aluminium as Alumina in Alum Tanned Leather	1000	-
98.	Glucose	1000	-
99.	Formic Acid	2000	-
100.	Lime	2000	2000
101.	Sodium Chloride	2000	2000
102.	Sodium formate	2000	2000
103.	Sodium Hydrosulpahte	2000	2000
104.	Sodium sulphate	2000	2000
105.	Sodium sulphite	2000	-
106.	Sodium sulphide	2000	2000
107.	Sodium thiosulphate	2000	2000
108.	Sodium bicarbonate	2000	2000
109.	Sodium bisulphite	2000	2000
110.	Acrylamide	2000	1250
111.	Methacrylic Acid	2000	1250
112.	Naphthalene	2000	1250
113.	Acrylic Acid	2000	-
114.	Aniline	2000	-
115.	phenol	2000	2000
116.	MethylMethacrylate	2000	-
117.	EthylMethacrylate	2000	-
118.	Formaldehyde	2000	1000
CHEMICAL			
LEATHER AUXILIARY			
119.	OIL/FATLIQUOR ANALYSIS		

All charges excluded GST at actual.

120.	Acid Value	250	250
121.	Fatliquor analysis	2000	2000
122.	FFA	1000	250
123.	Iodine value	1000	250
124.	Saponifiable matter	1000	250
125.	Solvent extractable substance	1000	750
126.	Unsaponifiable matter	1000	250
127.	WATER ANALYSIS		
128.	pH	1000	1000
129.	Alkalinity		
130.	Hardness (permanent, Temporary, Total)		
131.	Water hardness	500	500
132.	BOD & COD	2500	1000
133.	BASIC CHROMIUM SULPHATE		
134.	Moisture	500	-
135.	Free Sulphate	500	600
136.	Basicity	1000	600
137.	Chrome content	1000	600
138.	Matter insoluble in water	800	-
139.	pH of aqueous solution	250	250
140.	Chrome VI	2000	1000
141.	PCP	2000	2000
142.	VEGETABLE TANNING MATERIAL		
143.	Moisture	3000	-
144.	Total Solid		
145.	Total soluble		
146.	Non-Tannins		
147.	Tannins		
148.	Insolubles		
149.	pH		
150.	Colour/Appearance		
151.	Iron	1500	1000
152.	Copper	1500	-
153.	PCP	2000	-
154.	SYNTAN		
155.	Moisture	3000	-
156.	Total Solid		
157.	Total soluble		
158.	Non-Tannins		
159.	Tannins		
160.	Insolubles		
161.	pH		
162.	Colour/Appearance		
163.	Iron	1500	1000
164.	Ash	500	500
165.	PCP	2000	-

All charges excluded GST at actual.

PHYSICAL			
LEATHER & LINING MATERIAL			
166.	Adhesion of finish	1500	1200
167.	Apparent density	800	500
168.	Break / pipiness	800	400
169.	Breaking load	800	700
170.	Coating adhesion	1500	1200
171.	Cold crack resistance	1000	700
172.	Colour fastness to perspiration	1000	800
173.	Colour fastness to water	800	800
174.	Contact storage	800	700
175.	Flexing resistance – Bally / vamp	1500	1200
176.	Flexing resistance – low temp.	1500	1200
177.	Hydrolysis resistance (PU coated)	3000	3000
178.	Heat fastness	800	800
179.	Lastometer	1000	800
180.	Light fastness	5000	5000
181.	Martindale abrasion	1500	1200
182.	Needle perforations strength	1000	800
183.	Oil Repellence test	1500	1200
184.	Qualitative peel test	800	500
185.	Rub fastness – Veslic	800	800
186.	Rub fastness - Circular	800	800
187.	Rub fastness, - Crock meter	800	800
188.	Seam strength	1000	800
189.	Sole leather - Abrasion resistance	1500	1200
190.	Sole Leather - Grain crack index	800	800
191.	Sole Leather – WA-Kubleka	800	800
192.	Sole leather – Water resistance	1000	1000
193.	Stitch tear strength	800	800
194.	Stretch and flex resistance	1200	1200
195.	Tear strength	800	200
196.	Tensile strength / extension	800	800
197.	Thickness / Substance	1000	200
198.	Water penetration (Bally)	1000	500
199.	Water penetration (Maeser)	1000	800
200.	Water spotting	1200	500
201.	Water vapour absorption	1200	1000
202.	Water vapour permeability	1200	1200
203.	Water vapour permeability &coeff.	1200	1200
204.	Weight/ Mass	400	400
205.	Wicking test	500	500
206.	Wrinklometer	500	500
207.	Silica gel effectiveness	500	500
208.	Shrinkage temp	800	500
209.	Cut Resistance	800	-
210.	Softness for leather	500	-

All charges excluded GST at actual.

ZIP			
211.	Burst strength	1000	800
212.	Closure under lateral load	1000	800
213.	Colour fastness to rubbing	800	800
214.	End stop st. (top, bottom, stringer)	800	800
215.	Fatigue resistance	1000	1000
216.	Lateral load	800	800
217.	Needle perforation	1000	800
218.	Puller strength	800	800
219.	Slider locking strength	800	800
220.	Water / perspiration fastness	800	800
THREAD			
221.	Breaking load	1000	1000
222.	Tex value	500	500
223.	Water / perspiration fastness	800	800
SHOE			
224.	Abrasion resistance of sole	1200	1200
225.	Back height / quarter height	400	400
226.	Buckle attachment strength	800	800
227.	Colour fastness to rubbing	800	800
228.	Electrical resistance-Antistatic property	1000	800
229.	Eyelet -facing strength	800	800
230.	Eyelet- security	800	800
231.	Heel pull off strength	1000	1000
232.	Nail penetration	800	800
233.	Perspiration/ water fastness	800	800
234.	Seam strength	800	800
235.	Slip resistance	5000	5000
236.	Sole bond strength, inside outside	1200	1200
237.	Strap attachment strength	800	800
238.	Heat aging	1500	1500
239.	Toe load	800	800
240.	Toe puff / bond strength	1500	1200
241.	Top piece attachment strength	800	800
242.	Top piece turning strength	800	800
243.	Water resistance-whole shoe	1700	1700
244.	Weight/Mass	400	400
245.	Whole shoe flexing	1700	1700
246.	Whole sole bond strength	1200	1200
247.	Whole top line strength	800	800
INSOLE-FORE / BACK PART			
248.	Abrasion resistance	1200	1200
249.	Cushioning properties	1500	1500
250.	Density	500	500
251.	Dimensional stability	800	800
252.	Flexing index	1200	1200

All charges excluded GST at actual.

253.	Heel pin holding strength	800	800
254.	Peel strength	800	800
255.	Scuff resistance	1200	1200
256.	Surface water absorption	800	800
257.	Tensile strength / extension	800	800
258.	Transverse tensile strength	1200	1200
259.	Stitch tear strength	800	800
260.	Water absorption & desorption	800	800
SAFETY SHOES			
261.	Electrical resistance-antistatic property	1000	800
262.	Flexing resistance of midsole	1500	1200
263.	Fuel oil resistance	1500	1200
264.	Heel pin holding strength	800	800
265.	Hot contact for sole	800	800
266.	Inter layer bond strength	1500	1200
267.	Nail penetration for steel mid sole	800	800
268.	Slip resistance	5000	5000
269.	Toe cap- Compression resistance	800	800
270.	Toe cap- Corrosion resistance	800	800
271.	Toe cap- Impact resistance	1500	800
272.	Toe cap-internal length	500	400
273.	Dielectric resistance	3000	-
274.	Cold insulation test	3000	-
275.	Heat insulation	2000	-
EYELETS			
276.	Abrasion resistance	1500	1200
277.	Attachment strength	800	800
278.	Security of eyelet	800	800
279.	Colour tarnishing test	800	800
280.	Corrosion resistance		-
SOLING MATERIAL			
281.	Abrasion resistance	1500	1200
282.	Adhesion strength	1500	1200
283.	Bennewart /Bata belt Flexing	1500	1200
284.	Thickness and cleat height	500	400
285.	Compression set	1000	1000
286.	Density	700	500
287.	Hardness	700	500
288.	Heat shrinkage	900	800
289.	Oil resistance	1500	1200
290.	Ross flexing-room temp. / low temp.	1500	1200
291.	Slip resistance	5000	5000
292.	Hydrolysis resistance (PU sole)	3000	3000
293.	Tear Strength	900	800
294.	Tensile strength / extension	900	800
TAPE MATERIAL			

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295.	Adhesion strength	1500	1200
296.	Breaking load	900	800
297.	Water fastness	900	800
TOE PUFF/COUNTER			
298.	Adhesion strength	1500	1200
299.	Resilience, moisture resistance	1800	1750
300.	Breaking strength & extension	900	800
LACE			
301.	Abrasion resistance	1500	1200
302.	Breaking load	900	800
303.	Knot slippage	900	800
304.	Light fastness	5000	5000
305.	Tag retention strength	900	800
306.	Water fastness	900	800
307.	Wick test	800	500
BUCKLE			
308.	Corrosion resistance	900	800
309.	Strength of fastened buckles	900	800
310.	Three point bend strength	900	800
STEEL SHANK			
311.	Fatigue resistance	1500	1200
312.	Hardness (Rockwell)	800	500
313.	Stiffness	1000	800
ADHESIVE			
314.	Adhesion characteristics	1500	1200
315.	Solid content	800	500
VELCRO			
316.	Needle perforation	900	800
317.	Peel strength initial & after wear	1600	1600
318.	Shear strength initial & after wear	1600	1600
319.	Colour fastness	900	800
320.	Water fastness	900	800
INDUSTRIAL GLOVES			
321.	Abrasion resistance	1500	1200
322.	Tear strength	900	800
323.	Water vapour permeability	1500	1200
324.	Seam strength	900	800
ELASTICS TAPE			
325.	Flexing resistance	1500	1200
326.	Limit of useful extension	1000	1000
327.	Needle perforation strength	900	800

All charges excluded GST at actual.

328.	Rub fastness	900	800
329.	Water fastness	900	800

IS SPECIFICATION BASED CHARGES				
S.No.	ISNumber	Description	Proposed Charges/per sample(Rs.) INDUSTRY	Existing Charges/per sample(Rs.) INDUSTRY
330.	IS 2954:1978	Specification For Vegetable Tanned Leather For Belting	5500.00	-
331.	IS 575:1956	Specification For Chrome Belt Lace Leather	2500.00	-
332.	IS 1637:1971	Specification For Cycle Saddle Leather	7500.00	-
333.	IS 578:1985	Specification For Full -Chrome Upper Leather	8000.00	-
334.	IS 581:1976	Specification For Vegetable Tanned Hydraulic Leather	5000.00	-
335.	IS 2960:1964	Specification For Book Binding Leather	7500.00	-
336.	IS 3946:1966	Specification For Leather For Leg Guard	6000.00	-
337.	IS 4553:1983	Specification For Leather For Cricket Ball	6000.00	-
338.	IS 4191:1967	Specification For Leather For Volley Ball	8000.00	-
339.	IS 5024:1968	Specification For Buffalo-Butt Leather For Knee Bushings	4000.00	-
340.	IS 3985:1983	Specification For Leather For Rugby Ball	6000.00	-
341.	IS 622:1956	Specification For Russet Leather	3500.00	-
342.	IS 2573:1986	Specification For Leather Gauntlets And Mittens	5000.00	-
343.	IS 1639:1960	Specification For East India Tanned Kips And Skins	2500.00	-
344.	IS 1017:1983	Specification For Chamois Leather	5000.00	-
345.	IS 577:1986	Specification For Upholstery Leather	11500.00	-
346.	IS 2961:1973	Specification For Chrome Retan Finished Upper Leather	7500.00	-
347.	IS 576:1989	Specification For Leather For Glazed Kid For Shoe Uppers	8500.00	-
348.	IS 579:1996	Specification For Vegetable Tanned Sole Leather	4700.00	-
349.	IS 14360:1996	Specification For Semi Chrome Suede Upper Leather	7600.00	-

All charges excluded GST at actual.

350.	IS 14361:1996	Specification For Patent Leather	9300.00	-
351.	IS 3840-1996	Specification For Lining Leather	7800.00	-
352.	IS 3982:1997	Specification For Sheepskin Leather For Orthopaedic Linings	6000.00	-
353.	IS 1273:1989	Specification For Leather Pump Buckets Made From Chrome Tanned Leather	4500.00	-

354. .No.	Is Number	Description	Proposed Charges/per sample(Rs.) INDUSTRY	Existing Charges/per sample(Rs.) INDUSTRY
355.	IS:297-1970	Specification for Sodium Sulphide	2000.00	-
356.	IS:246-1964	Specification for Sodium thiosulphate Crystalline	2000.00	-
357.	IS:251-1962	Specification for Soda Ash	2000.00	-
358.	IS:252-1962	Specification for Caustic Soda	2000.00	-
359.	IS:263-1964	Specification for Boric Acid	2000.00	-
360.	IS:296-1965	Specification for Sodium Carbonate Anhydrous	2000.00	-
361.	IS:332-1967	Specification for Chromium Pottasium Sulphate(Chrome Alum)	2000.00	-
362.	IS:4752-1994	Sodium Meta Bisulphate,food grade Specification	2000.00	-
363.	IS:1919-1982	Sodium Hydrosulphite	2000.00	-
364.	IS:6357-1971	Specification for sulphated oil for leather fat liquoring	2000.00	-
365.	IS:435-1966	Specification for Castor Oil	2000.00	-
366.	IS:542-1963	Specification for Coconut Oil	2000.00	-
367.	IS:543-1966	Specification for Cotton seed Oil	2000.00	-
368.	IS:546-1963	Specification for mustard Oil	2000.00	-
369.	IS:547-1963	Specification for Sesame Oil	2000.00	-
370.	IS:4054-1966	Specification for Neatsfoot Oil	2000.00	-

All charges excluded GST at actual.

371.	IS:3492-1965	Specification for Karanja Oil	2000.00	-
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NOTE:

- Plus GST18% or as on date is additional.
- Academic & Educational Institutions-40% of industrial Rate.
- Testing and reporting turnaround time would be 10 working days for industries and 15 workings days for academic institute, unless specified.
- Tentative reporting dates would be provided during sample submission. Express service (2/3 days reporting depending on the tests) is available at 50% additional charges.
- pH analysis Rs-500/- when independently reported.
- For more than 10 samples or for tender evaluation/third party inspection charges as fixed by pricing committee applies.
- Method development charges is minimum Rs. 10000/-, any further addition would be as fixed by pricing committee.
- Method standardisation charges Rs. 5000, any further addition would be as fixed by pricing committee.
- For S.No 1 to 52 additional charges may apply for non-routine sample preparation.

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