

**TEST FACILITIES IN CQA(M), KANPUR LAB**

NAME OF ESTT WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO.	SRL NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQPT.	DURATION OF TEST	NABL STATUS	TESTING CHARGES IN RS.
<b>Controllerate of Quality Assurance (Material), DGQA Complex, Ashok Path, Cantt. Kanpur-208004</b> <b>Shri Sunil Kumar, SSO-II</b> <b>Phone (O) : 0512-2324436</b> <b>Mobile: 09415500715, 09916352893</b>	1	CONDITION & CONSISTENCY FOR PAINTS	--	30 Minutes	NABL	300.00
	2	EFFLUX TIME AT 30°C	Ford Cup No. 4	5 hrs.	NABL	458.10
	3	APPLICATION	--	30 Min.	Non NABL	434.10
	4	DRYING TIME	Environmental Chamber- 0 to 75°C & RH- 0 to 100%	5 Hrs.	NABL	584.10
	5	FINISH	Glossometer- 45° or 60°	2 Days.	NABL	434.10
	6	GLOSS VALUE (SPECULAR GLOSS AT 60°)	Glossometer- 45° or 60°	2 Days	NABL	500.10
	7	FINENESS OF GRIND	Hegman Scale: 0-50 & 0-100 µm	30 Min.	NABL	383.10
	8	WET OPACITY	Cryptometer	40 Min.	NABL	533.10
	9	COLOUR	--	48 Hrs.	NABL	509.10
	10	FLEXIBILITY & ADHESION	Bend Apparatus	7 Days.	NABL	446.10
	11	SCRATCH HARDNESS	Scratch Hardness Tester	7 Days.	NABL	884.10
	12	PROTECTION AGAINST CORROSION	Corrosion Cabinet: 42°-48°C RH- 100%	12 Days	NABL	1259.10
	13	ACCELERATED STORAGE STABILITY	Electric Oven: 0- 100°C	100 Hrs.	NABL	1644.00
	14	FLASH POINT (ABEL)	Abel Cup	2 Hrs.	NABL	916.20
	15	LEAD RESTRICTION	--	72 Hrs.	Non NABL	2737.60
	16	MASS IN KG/10L	Pycknometer:50ml	5 Hrs.	NABL	316.20
	17	RESISTANCE TO LUBE OIL	Oven: 0- 200°C	3 Days.	Non NABL	654.80
	18	RESISTANCE TO PETROL- BENZOLE MIXTURE	Scratch Hardness Tester	8 Days.	NABL	609.20
	19	WATER CONTENT, % BY MASS	Dean Stark Apparatus: 5 ml	4 Hrs.	NABL	1114.80

<b>Controllerate of Quality Assurance (Material), DGQA Complex, Ashok Path, Cantt. Kanpur-208004</b> <b>Shri Sunil Kumar, SSO-II</b> <b>Phone (O) : 0512-2324436</b> <b>Mobile: 09415500715, 09916352893</b>	20	RESISTANCE TO ALKALI	--	4 Days.	NABL	742.20
	21	RESISTANCE TO SALT SPRAY	Salt Spray Apparatus	7 Days.	Non NABL	1405.80
	22	RESISTANCE TO WARM WATER	Oven :0-200°C	8 Days.	NABL	444.90
	23	RESISTANCE TO ACID	--	4 Days.	NABL	649.50
	24	RESISTANCE TO HEAT (AFTER AIR DRYING FOR 48 HRS) EXCEPT WHITE	Oven: 0-200°C	3 Days.	NABL	440.00
	25	NATURAL OUTDOOR WEATHERING	--	37 Days.	Non NABL	879.00
	26	MARKING AND STENCELLING	--	1 Hrs	Non NABL	275.00
	27	PRESSURE TEST	PRESSURE TEST apparatus	5 Hrs	Non NABL	583.00
	28	DURABILITY	--	38 Days	Non NABL	3827.00
	29	PERCENTAGE OF PIGMENT	Centrifuge Machine: upto 4000 rpm	6 Hrs	Non NABL	1145.00
	30	FREEDOM OF OBJECTIONABLE IMPURITIES	--	1 Day	Non NABL	446.00
	31	COMPATIBILITY WITH THINNER	--	1 Day	Non NABL	473.00
	32	TITANIUM DIOXIDE	Electronic Balance: max.220g, Furnace: upto 1200°C	3 Days	Non NABL	21793.00
	33	TEST FOR BLUSHING& BLOOMING	--	20 Min.	Non NABL	298.00
	34	BARIUM COMPOUND AS BASO <sub>4</sub>	--	720 Min.	Non NABL	10869.79
	35	ALKYD TEST	--	20 Min.	Non NABL	2935.00
	36	SUATABILITY FOR SPRAYING	--	20 Min.	Non NABL	501.00
	37	NON VOLATILE VEHCLE % BY MASS	--	60 Min.	Non NABL	1092.00
	38	ESTIMATION OF ZINC CHROME % BY MASS	--	300 Min.	Non NABL	4819.00
39	RESISTANCE TO KEROSENE OIL	--	30 Min.		537.00	

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40	RESISTANCE TO ARTIFICIAL SEA WATER	--	180 Min.	Non NABL	1134.00
41	RESISTANCE TO HOT WATER	--	45 Min.	Non NABL	680.00
42	ASH CONTENT	Furnace: upto 1200°C	05 hrs	Non NABL	3209.00
43	pH OF THE SAMPLE	pH meter: 0 to 14	01 hrs	Non NABL	2335.00
44	ACID VALUE	Electronic Balance: max.220g	02 hrs	Non NABL	9183.00
45	SAPONIFICATION VALUE	Electronic Balance: max.220g	02 hrs	Non NABL	9037.00
46	CALCIUM CARBONATE FOR PUTTY & PAINTS	Electronic Balance: max.320g	2 DAYS	Non NABL	14791.00
47	EFFICIENCY FOR PAINT REMOVER	--	2 HR	Non NABL	1925.00
48	CONSISTENCY FOR PAINT REMOVER	--	90 MINUTE	Non NABL	1343.00
49	% NON VOLATILE MATTER FOR PAINT REMOVER	--	3 HRS	Non NABL	2885.00
50	FREEDON FROM ALKALINITY & ACIDITY FOR PAINT REMOVER	--	90MINITE	Non NABL	199.00
51	FORM & CONDITION FOR PAINT REMOVER	--	30MINUTE	Non NABL	448.00
52	MELTING RANGE, °C FOR LIP SALVE	Hot Plate upto 100°C	01 HR	Non NABL	1338.75
53	RANCIDITY of LIPSALVE	Electronic Balance: max.320g	15 Min.	Non NABL	304.91
54	STABILITY of LIL SALVE	--	06 HOURS	Non NABL	2677.5
55	ARSENIC PARTS/MILLION MAX. OF LIP SALVE	Electronic Balance: max.320g	01 HRS	Non NABL	1476.22
56	HEAVY METALS (AS PB) PARTS/MILLION , MAX OF LIP SALVE	Electronic Balance: max.320g	2 HRS	Non NABL	945.51
57	BARIUM COMPOUNDS ON DRY PIGMENTS	Electronic Balance: max.220g, Furnace: upto 1200°C	2 Days	Non NABL	18172.00
58	MARKING PROPERTY	--	50 Minute	Non NABL	878.00

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59	CaCO <sub>3</sub> IN PIGMENT % BY MASS	Electronic Balance: max.220g	240 Min.	Non NABL	16854
60	ROSIN TEST(Lieberman Starch Test)	--	20 Min.	Non NABL	2047.60
61	NON VOLATILE MATTER % BY MASS	--	60 Min.	Non NABL	2895.00
62	POUR POINT (FOR DAFC30/50)	POUR POINT apparatus	04 hrs	Non NABL	3580.00
63	SPECIFIC GRAVITY (FOR DAFC)	Electronic Balance: max.220g	02 hrs	Non NABL	1443.00
64	KINEMATIC VISCOSITY(FOR URF)	Water Bath: upto 80°C	02 hrs	Non NABL	1808.00
65	ASH CONTENT% by Wt. (URF)	Furnace: upto 1200°C	05 hrs	Non NABL	2238.00
66	pH OF THE SAMPLE DAFC	pH meter: 0 to 14	01 hrs	Non NABL	895.00
67	REFRACTIVE INDEX FOR DAFC	Refractrometer: 1.3 -1.7	01 hrs	Non NABL	901.00
68	SULPHATES TEST FOR DAFC	Electronic Balance: max.220g	01 day	Non NABL	1435.00
69	CHLORIDES TEST FOR DAFC	Electronic Balance: max.220g	02 hrs	Non NABL	2125.00
70	CORROSION RESISTANT TEST FOR DAFC	Electronic Balance: max.220g	30 days	Non NABL	3417.00
71	GLYCEROL CONTENT (URF)	Electronic Balance: max.220g	04 hrs	Non NABL	2482.00
72	DISINTEGRATION OF TABLETS	DT apparatus: upto 42°C	02 Hrs approx	NABL	2079.00
73	UNIFORMITY OF WEIGHT OF TABLET (AVERAGE WEIGHT)	Electronic Balance: max.320g	03 Hrs approx	NABL	2878.00
74	SPOT TEST FOR THINNER ANTICHILL	--	30 Min	Non NABL	448.00
75	ODOUR FOR THINNER ANTICHILL	--	30 Min	Non NABL	448.00
76	ACIDITY FOR THINNER ANTICHILL	Electronic Balance: max.320g	2 Hrs	Non NABL	1478.00
77	RESIDUE ON EVAPORATION	Electronic Balance: max.320g	36 Hrs	Non NABL	2685.00
78	COPPER CORROSION	Oven: 0-200°C	24 hrs	Non NABL	1110.00
79	HYDROCARBON CONTENT	Electronic Balance: max.320g	24 Hrs	Non NABL	1820.00

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80	LEAFING VALUE FOR ALUMINIUM PAINT	--	5 Hrs	Non NABL	2901.00
81	NON VOLATILE MATTER% BY MASS (PAINT REMOVER)	Electronic Balance: max.320g, Oven: 0-200°C	3 Hrs	Non NABL	2885.00
82	TEST FOR STAINING	Oven: 0-200°C	6 Hrs	Non NABL	4682.00
83	ZINC CHROME PERCENT BY MASS	Electronic Balance: max.320g	2 Days	Non NABL	4819.00
84	PHENOL CONTENT(C <sub>6</sub> H <sub>5</sub> OH) PERCENT BY MASS	Electronic Balance: max.320g, Steam Distillation apparatus	4 Hrs	Non NABL	10445.92
85	FORM AND CONDITION FOR PUTTY	--	30 MIN	Non NABL	448.00
86	RESIDUE ON SIEVE, PERCENT BY WEIGHT	Sieve Shaker	1 HR	Non NABL	2286.00
87	CALCIUM CARBONATE FOR PUTTY	Electronic Balance: max.320g	2 DAYS	Non NABL	6363.00
88	SETTING POINT FOR PUTTY	--	72 HRS	Non NABL	663.00
89	EFFICIENCY FOR PAINT REMOVER	--	1 HR	Non NABL	1925.00
90	IDENTITY PYRETHRUM EXTRACTS 2%	Electronic Balance: max.320g	6 HRS	Non NABL	4793.00
91	COLOUR AND ODOUR FOR PYRETHRUM EXTRACTS 2%	-	30 MIN	Non NABL	445.00
92	TOTAL PYRETHRUM CONTENT	Electronic Balance: max.320g	2 DAYS	Non NABL	23754.98
93	DESCRIPTION FOR MALATHION	--	30 M IN	Non NABL	446.00
94	COLD TEST FOR MALATHION	--	2 HRS	Non NABL	2006.00
95	EMULSION STABILITY FOR MALATHION	Water Bath: upto 80°C	8 HRS	Non NABL	3230.00
96	MALATHION CONTENT	Electronic Balance: max.320g, UV-VIS spectrometer:185-385nm & Visible 385-780nm,	8 HRS	Non NABL	13287.00
97	ETHYL ALCOHOL % FOR URF	Electronic Balance: max.320g	80 HRS	Non NABL	2685.00

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	99	DI SODIUM HYDROGEN PHOSPHATE FOR URF	Electronic Balance: max.320g	4 HRS	Non NABL	3696.00
	100	BENZOTRIAZOLE FOR URF	Electronic Balance: max.320g, Oven:0-200°C	30 DAYS	Non NABL	2040.00
	101	MISCIBILITY WATER FOR URF		30 MIN	Non NABL	446.00
	102	RESISTANCE TO CORROSION for URF	Electronic Balance: max.320g, Oven:0-200°C	30 DAYS	Non NABL	2237.00
	103	AVAILABLE CHLORINE (% BY MASS) FOR BLEACHING POWDER STABLE	Electronic Balance: max.320g	2 HRS	Non NABL	15656.00
	104	DETERMINATION OF STABILITY LOSS OF CHLORINE FOR BLEACHING POWDER STABLE	Electronic Balance: max.320g	4 HRS	Non NABL	8076.00
	105	DETERMINATION OF MOISTURE FOR BLEACHING POWDER STABLE	Electronic Balance: max.320g, Vaccum Pump:upto760 mm Hg	24 HRS	Non NABL	1343.00
	106	DETERMINATION OF PARTICLE SIZE FOR BLEACHING POWDER STABLE	Electronic Balance: max.320g	15 Min.	Non NABL	895.00
	107	FOAMING TENDENCY OF UNDILUTED OF MATERIAL FOR DAFC	--	1 hour	Non NABL	895.00
	108	DETERMINATION OF SILICON BY GRAVIMETRIC METHOD FOR FERRO SILICON	Electronic Balance: max.320g	12 Hours	Non NABL	32222.00
	109	TESTS FOR STAINING NAPHTHALENE BALLS GRADE-I	Oven:0-200°C	5 hrs	Non NABL	4682.00
110	CRYSTALLIZIN-G POINT °C, NAPHTHALENE BALLS GRADE-I	CRYSTALLIZIN-G POINT apparatus	2 hrs	Non NABL	5870.00	
111	ACID WASH TEST FOR NAPHTHALENE BALLS GRADE-I	Electronic Balance: max.320g	2 hrs	Non NABL	5491.00	
112	MATTER INSOLUBLE IN BENZENE, % BY MASS, MAX	Electronic Balance: max.320g, Oven:0-200°C	1 hr	Non NABL	4994.00	

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	114	ASH % DAFC 30/50	Silica Crucible	03 Hrs	Non NABL	2685.00
	115	KINEMATIC VISCOSITY(DAFC)	Water Bath: upto 80°C	02 hrs	Non NABL	4218.00
	116	ASSAY FOR TABLET ATENOLOL	UV-VIS spectrophotometer	2 HRS	NABL	1915.00
	117	ASSAY FOR TABLET FRUSEMIDE	UV-VIS spectrophotometer	2 HRS	NABL	1836.00
	118	ASSAY FOR TABLET FURAZOLIDONE	UV-VIS spectrophotometer	3 HRS	Non NABL	2072.00
	119	ASSAY FOR TABLET PARACETAMOL	UV-VIS spectrophotometer	3 HRS	NABL	1830.00
	120	ASSAY FOR TABLET TINIDAZOLE	UV-VIS spectrophotometer	3 HRS	NABL	1924.00
	121	ASSAY FOR TABLET ASCORBIC ACID	BY TITRATION METHOD	3 HRS	Non NABL	3145.00
	122	TITANIUM DIOXIDE FOR PAINTS	--	3 Days	Non NABL	22068.00
	123	ESTER CONTENT FOR THINNER ANTICHILL	Electronic Balance: max.320g	6 Hrs	Non NABL	2032.00
	124	DISTILLATION TEST FOR THINNER ANTICHILL	Distillation Apparatus	02 hrs	Non NABL	2058.00
	125	IDENTIFICATION (B) FOR TABLET ATENOLOL	UV-VIS spectrophotometer	01 Hr	Non NABL	479.00
126	IDENTIFICATION (A&B) FOR TABLET FRUSEMIDE	A- UV-VIS B-Colour Development	01 Hr 3 HRS	NABL (FOR A ONLY)	A-459.00 B-2226.0	
127	IDENTIFICATION FOR TABLET FURAZOLIDONE	Colour Development	3 Hrs	Non NABL	2228.00	
128	IDENTIFICATION (B) FOR TABLET PARACETAMOL	Colour Development	3 Hrs	NABL(FOR B ONLY)	2218.00	
129	IDENTIFICATION (A&B) FOR TABLET TINIDAZOLE	UV-VIS spectrophotometer & Colour Development	3 Hrs	NABL(FOR A ONLY)	A-472.00 B-2228.00	
130	IDENTIFICATION FOR TABLET ASCORBIC ACID	Colour Development	3 Hrs	Non NABL	1342.00	

**TEST FACILITIES AT CQA (PP), KANPUR LABORATORIES.**

NAME OF THE ESTT. WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO.	S. NO	TESTING FACILITIES AVAILABLE	RANGE OF TEST EQUIPMENT	DURATION OF TEST	NABL STATUS	TESTING CHARGES (IN RS.)
<b>Controllorate of Quality Assurance (Petroleum Products)</b> <b>Post Box No. 372,</b> <b>Kanpur – 208004.</b>  <b>Sachin V Zope,</b> <b>SSO II</b> <b>0512 - 2324830</b>	1.	Visual Examination	As specified in referred specification	30 min.	NABL	234.00
	2.	Drop Point by IS:1448, P-52:1971 (RA 2007) /IP-132/ASTM-D566	Ambient to 300°C	30 min.	NABL	837.00
	3.	Drop melting Point by IP-133/ASTM D-127	Ambient to 300°C	05 hrs	NABL	837.00
	4.	Consistency of the Grease in terms of Penetration No. by IS:1448 P-60:1994 (RA 2010) P-92:1979(RA2007)	1 to 400 units	04 hrs	NABL	800.00
	5.	Free Acidity as Oleic Acid (% by mass) by IS:1448 P-53:1979 (RA 2007)	0.00 to 20.00 %	03 hrs	NABL	5380.00
	6.	Free Alkalinity (% by mass) by IS 1448, P-53:1979 (RA 2007)	0.00 to 20.00 %	03 hrs	NABL	5380.00
	7.	Copper Strip Corrosion by IS 1448 P-51:1963 (RA 2008)	Qualitative test	26 hrs	NABL	887.00
	8.	Heat Stability by IS 1448 P-62:1974 (RA 2008)	Qualitative test	03 hrs	NABL	600.00
	9.	Oil Separation / Thermal Stability by IS 1448 P-89:1979 (RA 2007)	0.02 to 10.00 %	26 hrs	NABL	600.00
	10.	Evaporation Loss by IS 1448 P-61:1974 (RA 2008)	0.1 to 50.0 %	32 hrs	NABL	641.00
	11.	Flash point (COC) by IS 1448 P-69:2013	79 to 398°C	03 hrs	NABL	1303.00
	12.	Kinematic Viscosity @ 100°C by IS 1448 P-25	1.0 to 45.0 cst	04 hrs	NABL	937.00
	13.	Kinematic Viscosity @ 40°C by IS 1448 P-25	1.0 to 440.0 cst	04 hrs	NABL	937.00
	14.	Kinematic Viscosity @ 60°C by IS 1448 P-25	1.0 to 440.0 cst	04 hrs	Non NABL	937.00
	15.	Kinematic Viscosity @ 37.8°C by IS 1448 P-25	1.0 to 440.0 cst	04 hrs	Non NABL	937.00
	16.	Viscosity Index by IS 1448 P-56:1980 (RA 2013)	Calculated from KV	30 min.	NABL	164.00
	17.	SAP Value as mg KOH/g by IS 1448 P-55:2004 (RA 2010)	2.0 to 70.0	02 hrs	NABL	2523.00
	18.	pH Value by JSS 9150-11:2009 (Rev 2) Appendix B	1.0 to 14.0	01 hrs	NABL	626.00



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	20.	Triethanolamine, (% by mass) by JSS 9150-11:2009 (Rev. 2) Appendix-A	0.5 to 10.0	04 hrs	NABL	1374.00
	21.	Copper Strip Corrosion by IS 1448 P-15:2004 (RA 2010)	Qualitative test	02 hrs	NABL	887.00
	22.	Emulsion Characteristics by IS 1448 P-91:1979 (RA 2007)	Qualitative test	02 hrs	NABL	1223.00
	23.	Flash point (PMC) by IS 1448 P-21:2012	48 to 200°C	06 hrs	NABL	1297.00
	24.	Ash (% by mass) by IS 1448 P-4:1984 (RA 2007)	0.001 to 5.0 %	06 hrs	NABL	1126.00
	25.	Sulphated Ash (% by mass) by IS 1448 P-4:1984 (RA 2007)	0.001 to 5.0 %	06 hrs	Non NABL	1126.00
	26.	Electric Strength (KW) by IS:6792	Up to 100 KW	05 hrs	Non NABL	1190.00
	27.	Mild Steel Corrosion test by JSS:9150-10:2005, Appendix B	Qualitative test	16 days	Non NABL	1653.00
	28.	Equilibrium Reflux Boiling Point by IS:8654, Appendix A	190°C to 300°C	02 hrs	Non NABL	1190.00
	29.	Distillation by IS 1448 P-18	0 to 400°C	01 hrs	Non NABL	646.00
	30.	Doctor Test by IS 1448 P-19	Qualitative test	30 min	Non NABL	---
	31.	Water Reaction by IS 1448 P-42	Qualitative test	30 min	Non NABL	---
	32.	Flash point Abel's Cup by IS 1448 P-20	Up to 60°C	01 hrs	Non NABL	---
	33.	Water content IS 1448 P-40	1.0 % Max	02 hrs	Non NABL	600.00
	34.	Density IS 1448 P-16 & 32	0.700 to 0.999 gm/cc	02 hrs	Non NABL	601.00
	35.	Extraction of oil from Grease IS 1448 P-59	Qualitative test	02 hrs	Non NABL	---
	36.	Protection against corrosion by IS:1674, Appendix-A	Qualitative test	08 days	Non NABL	1361.00
	37.	Residual Film by IS:1674, Clause No.4.1.5	Qualitative test	24 hrs	Non NABL	1361.00
	38.	Drying time IS:1153, Appendix-A	Qualitative test	05 hrs	Non NABL	---
	39.	Removability by IS:1674 Clause No. 4.1.5	Qualitative test	30 min.	Non NABL	1361.00
	40.	Penetration Un-worked IS 1448, P-60	1 to 400 Units	04 hrs	Non NABL	800.00
	41.	Pour Point & Cloud Point oC by method IS 1448, P-10	Up to (-) 30°C	08 hrs	Non NABL	1452.00
	42.	Water Absorption DEF STAN 91-27, Appendix-B	50 % Min.	01 hrs	Non NABL	---

**TESTING FACILITIES AT CQA (GS), KANPUR LABORATORIES**

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER	SL. NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQUIPMENT	DURATION OF TEST (IN MAN HRS)	NABL STATUS	TESTING CHARGES IN RS (EXCLUDING GST)
<b>Government of India, Ministry of Defence (DGQA), Controllerate of Quality Assurance (General Stores), DGQA Store Complex,Ashok Path,Cantt. Kanpur- 208 004.</b>  <b>Lt Col Vivek Bist Lab DC. Contact. No.9179299400; 0512 2326808 Email-cqagsknp-dgqa@nic.in</b>	1.	<b>Lamp Incandescent Hand Med. 200 CD</b> Spn. : IS:1384-1977 (RA-1992) & CQA (GS)/SS/352(c)				
		(i) Sheet Thickness: (Micrometer)	0-25 mm	07	Non-NABL	4175.00
		(ii) Air Pressure:(Compressor,Pressure Gauge)	0 – 3.5 Kg/cm <sup>2</sup>	03	Non-NABL	1670.00
		(iii) Safety Pressure test: Compressor, Pressure Gauge	0 – 3.5 Kg/cm <sup>2</sup>	05	Non-NABL	2800.00
	2.	<b>Mule Shoe MK-2 No. 2 Fore</b> Spn. : IND/GS/1904				
		(i) Dimensions:(Vernier Caliper, Micrometer)	0 – 300 mm 0-25 mm,	07	NABL	4355.00
		(ii) Hardness test: (Vicker Hardness Tester)	5 - 50 Kg Load	04	Non-NABL	2230.00
	3.	<b>UC 45 Men Set Degchie Various.</b> Spn.: JSS::7330-32-2010 (Rev No. 2)				
		(i) Dimension: (Vernier Caliper)	0 – 150 mm	02	Non-NABL	1160.00
		(ii) Sheet Thickness: (Micrometer)	0 – 25 mm	03	Non-NABL	1770.00
	4.	<b>U C 45 M/S Katorah No.2</b> Spn. :JSS:7330-31-2015 (RA No.3)				
		(i) Thickness Sheet: (Micrometer)	0 – 25 mm	02	Non-NABL	1160.00
		(ii) Mass of Katorah: (Weighing Balance)	0 – 6 kg	01	Non-NABL	560.00
		(iii) Dimension: (Vernier Caliper)	0 – 300 mm	1.5	Non-NABL	880.00
	5.	<b>Hand Cuff Adjustable</b> Spn. : IND/GS/1596 (a)				
		(i) Dimension: (Vernier Caliper)	0 – 300 mm	24	Non-NABL	14830.00
	6.	<b>Horse Shoe Cavalary MK-2 No. Hind</b> Spn. : IND/GS/1905				
		(i) Dimensions: (Vernier Caliper)	0 – 300 mm	09	Non-NABL	5650.00
		(ii) Hardness test: (Vicker Hardness Tester)	5 - 50 Kg Load	04	Non-NABL	2230.00
	7.	<b>EC Net Pin Iron for Sandy Soil</b> Spn. : IND/GS/1495 (a)				
	(i) Dimensions: Vernier Caliper, Scale)	0 – 600 mm	04	Non-NABL	2410.00	

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<b>Government of India, Ministry of Defence (DGQA), Controllerate of Quality Assurance (General Stores), DGQA Store Complex,Ashok Path,Cantt. Kanpur- 208 004.</b>  <b>Lt Col Vivek Bist Lab DC. Contact. No.9179299400; 0512 2326808 Email-cqagsknp-dgqa@nic.in</b>	8.	<b>UC 150 Men Set Degchie 650 mm lid.</b> Spn.: JSS::7330-34-2010(Rev No. 2)				
		(i) Dimension: (Measuring Tape)	0 – 5000 mm	05	Non-NABL	3060.00
		(ii) Sheet Thickness: (Micrometer)	0 – 25 mm	03	Non-NABL	1770.00
	9.	<b>Descender:</b> Spn. : CQA (GS)/US/480 (a)				
		(i) Dimension: (Vernier Caliper, Micrometer)	0 – 300 mm, 0-25 mm	03	Non-NABL	1855.00
		(ii) Hardness: (Vicker Hardness Tester)	5 - 50 Kg Load	04	Non-NABL	2230.00
		(iii) Load test: (UTM)	0 – 10000 kg	02	Non-NABL	1115.00
	10.	<b>Three Way Joint with Base Plate</b> Spn. : CQA (GS)/US/467 (d)				
		(i) Dimension: (Vernier Caliper)	0 – 300 mm	02	NABL	1300.00
		(ii) Drop test: (Measuring Tape)	0 – 5000 mm	01	NABL	560.00
	11.	<b>Three Way Joint Roof Pole</b> Spn. : CQA (GS)/US/467 (d)				
		(i) Dimension: (Vernier Caliper)	0 – 300 mm	03	NABL	1950.00
		(ii) Drop test: (Measuring Tape)	0 – 5000 mm	01	NABL	560.00
	12.	<b>UC 50 &amp; 150 Men Set Jug SS 2 ltrs.</b> Spn. : IS:14756-2000&&CQA(GS)/SS/517(c)				
		(i) Dimension: Height Gauge, Vernier Caliper)	0 – 300 mm	04	Non-NABL	2410.00
		(ii) Thickness; (Micrometer)	0 – 25 mm	02	Non-NABL	1210.00
		(iii) Staining Test	As per Specn.	36	Non-NABL	2230.00
	13.	<b>Polisher Scrubber Vaccum Floor Electric</b> Spn. : IND/GS/1872 (b)				
	(i)Dimensions: Vernier Caliper, Measuring Tape	0 – 300 mm	24	Non-NABL	14830.00	
14.	<b>Container 5 ltrs SS with lid</b> Spn IS:14756-2000 &CQA(GS)/SS/546(a)/2014					
	(i) Dimension: (Vernier Caliper, Height Gauge, Micrometer)	0 – 300 mm, 0-600 mm, 0-25 mm	04	Non-NABL	2410.00	
	(ii) Staining Test	As per Specn	36	Non-NABL	2230.00	

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		(i) Dimension: (Measuring Tape, Vernier Caliper)	0 – 5000 mm 0-150 mm	02	Non-NABL	1210.00
		(ii) Tensile test/ % of Elongation: (Tensile Testing Machine)	0 – 2000 Kg	05	Non-NABL	2520.00
		(iii) Testing of Cap:	As per Specn	01	Non-NABL	650.00
	16.	<b>Piton Mountain Ice Screw Type</b> Spn. : IND/GS/1637)				
		(i) Hardness: (Vicker Hardness Tester)	5 - 50 Kg Load	02	Non-NABL	1115.00
		(ii) Load Test: (UTM)	0 – 10000 Kg	02	Non-NABL	1115.00
		(iii) Porosity Test:		01	Non-NABL	560.00
	17.	<b>Washer Plain steel Zn Plated 6.6 mm</b> Spn.: IS:1573-1970 for Z/P & IS:2016-1967 with Amdt. No. 1 & 2 Table -2)				
		(i) Dimension:(Vernier Caliper, Micrometer)	0 – 150 mm 0-25 mm	02	Non-NABL	1210.00
	18.	<b>UC 45 Men Set Degchie 255</b> Spn.: JSS:7330-32-2010 Rev 2				
		(i) Dimension: (Vernier Caliper)	0 – 300 mm	03	Non-NABL	1770.00
		(ii) Sheet Thickness: (Micrometer)	0 – 25 mm	02	Non-NABL	1210.00
		(iii) Mass: (Weighing Balance)	0 – 6 kg	01	Non-NABL	560.00
	19.	<b>COBL MK-I complete Spn. : IND/GS/1688</b>				
		(i) Dimension: (Vernier Caliper, Scale)	0 – 600 mm	04	Non-NABL	2410.00
		(ii) Sheet Thickness: (Micrometer)	0 – 25 mm	05	Non-NABL	306059.00
		(iii) Air Pressure/Leakage test:(Compressor, Pressure Gauge)	0 – 1.06 Kg/cm <sup>2</sup>	02	Non-NABL	1115.00
		(iv) Performance test	As per Specn	04	Non-NABL	2230.00
		(v) Thermal Efficiency test	As per Specn	06	Non-NABL	3620.00

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		Spn.: IND/GS/1677(a)				
		(i) Dimension: (Vernier Caliper)	0 – 300 mm	04	Non-NABL	2410.00
		(ii) Load Test: (UTM)	0 – 10000 kg	01	Non-NABL	560.00
		(iii) Spring Test	200 time	01	Non-NABL	560.00
	(iv) Hardness: (Vicker Hardness Tester)	5 - 50 Kg Load	01	Non-NABL	560.00	
	21.	<b>UC 4/6 Men Set Masala Box 7 Containers</b>				
		Spn. IS:14756-2000&CQA(GS)/SS/550/2014				
		(i) Dimension& Thickness: (Vernier Caliper, Micrometer)	0 – 300 mm 0-25 MM	05	Non-NABL	3060.00
	(ii) Staining Test	As per Specn	36	Non-NABL	2230.00	
	22.	<b>Chopper Meat SS</b>				
		Spn.: IS:3545-1982 RA 1991 & CQA(GS)/SS/571/2014				
		i) Dimension: (Scale, Vernier Caliper, Micrometer)	0 – 600 mm 0-25 mm	03	Non-NABL	1950.00
		(ii) Staining Test	As per Specn	36	Non-NABL	2230.00
		(iii) Striking test:	0 – 600 mm	01	Non-NABL	560.00
	(iv) Hardness test:(Vicker Hardness Tester)	5 - 50 Kg Load	03	Non-NABL	1675.00	
	23.	<b>Knife Vegetable 200 mm long Blade 8”</b>				
		Spn. : IS:3546:1966 CQA (GS)/SS/519 (a)				
		(i) Dimension: (Scale, Vernier Caliper, Micrometer)	0 – 600 mm 0-25 mm	04	Non-NABL	2410.00
	(ii) Staining Test	As per Specn	36	Non-NABL	2230.00	
24.	<b>Parat Medium with lid SS</b>					
	Spn. : IS:14756-2000 &CQA (GS)/SS/545/2014					
	(i) Dimension:(Vernier Caliper, Micrometer, Measuring Tape, Height Gauge)	0 – 600 mm 0-25 mm	04	Non-NABL	2410.00	
(ii) Staining Test	As per Specn	36	Non-NABL	2230.00		
25.	<b>Tumbler SS 600 ml/300 ml</b>					
	Spn. ; IS:14756-2000 & CQA (GS)/SS/525					
	(i) Dimensions: (Height Gauge, Vernier Caliper, Micrometer)	0 – 600 mm 0-25 mm	02	Non-NABL	1210.00	
(ii) Staining Test	As per Specn	36	Non-NABL	2230.00		

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		Spn: IS:922-1965 RA 1998 & CQA (GS)/SS/362				
		(i)Dimension:(Vernier Caliper, Micrometer)	0 – 600 mm 0-25 mm	04	Non-NABL	2410.00
		(ii) Staining Test	As per Specn	36	Non-NABL	2230.00
	27.	<b>Chain Securing Rifle 430cm Welded Steel</b>				
		Spn. : IND/GS/1590				
		(i) Proof Load Test:(Chain Pulley &Weights)	0 – 250 Kg	03	Non-NABL	1675.00
		(ii) Elongation per Meter: (Measuring Tape)	As per Specn	02	Non-NABL	1115.00
		(iii) Dimensions: (Measuring Tape, Vernier Caliper)	0 – 5000 mm 0-300 mm	01	Non-NABL	605.00
	28.	<b>Rods Avalanche &amp; Marker &amp;Trail</b>				
		Spn. : Drg. No. CIGS & T&I/228(f)				
		(i) Dimensions: (Vernier Caliper)	0 – 600 mm	05	Non-NABL	3060.00
		(ii) Performance Test:	As per Specn	02	Non-NABL	1115.00
		(iii) Hardness test: (Vicker Hardness Tester)	5 - 50 Kg Load	04	Non-NABL	2230.00
		(ii) Tensile test/ % of Elongation: (Tensile Testing Machine)	0 – 2000 Kg	06	Non-NABL	3350.00
	29.	<b>Pad lock IG four levers</b>				
		Spn. : IS:275-2003				
		(i) Lever spring test:	As per Specn	01	Non-NABL	650.00
		(ii) Non-Interchangeability Test:	As per Specn	01	Non-NABL	650.00
		(iii) Load Test: (Tensile Testing Machine)	0 – 200 Kg	02	Non-NABL	1115.00
(iv) Soundness Test:		As per Specn	01	Non-NABL	650.00	
	(v) Chemical Composition	As per Specn	10	Non-NABL	6120.00	
30.	<b>Pin Iron Tent 152 mm</b>					
	Spn. : IND/GS/526 (f)					
	(i) Dimension: (Vernier Caliper)	0 – 300 mm	01	Non-NABL	650.00	
	(ii) Material test:	As per Specn	01	Non-NABL	650.00	
	(iii) Performance Test:	As per Specn	01	Non-NABL	560.00	

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		Spn. : IS:1342:1988 & CQA (GS)/SS/397(b)				
		(i) Air Pressure test: (Compressor, Gauge)	0 – 10 kg	01	Non-NABL	560.00
		(ii) Safety Pressure Test: (Compressor, Gauge)	0 – 15 kg	02	Non-NABL	1115.00
	32.	<b>Chain Securing Rifle 170 Cm Weld less Galvanized steel</b>				
		Spn. : IND/GS/1590				
		(i) Proof Load Test: (Chain Pulley & Weights)	Up to 250 kg	03	Non-NABL	1670.00
		(ii) Dimensions: (Measuring Tape)	0 – 5000 mm	01	Non-NABL	560.00
		(iii) Amount of coating	As per Specn	01	NABL	560.00
	(iv) Preece Test	As per Specn	05	Non-NABL	2700.00	
	33.	<b>Container SS 10 Kg./50 Kg</b>				
		Spn.: CQA(GS)/US/550/2013				
		(i) Dimension: (Scale, Vernier Caliper, Micrometer)	0- 600 mm 0-25 mm	04	Non-NABL	2410.00
	34.	<b>Nails Steel Wire Round</b>				
		Spn. : IS:723-1972 & CQA (GS)/SS/294(a)				
		i) Bend Test	As per Specn	01	Non-NABL	560.00
		(ii) Angle of Counter Sunk	0 - 180°	01	Non-NABL	650.00
		(iii)Material	As per Specn	01	Non-NABL	650.00
	(iv) Dimension	0 – 600 mm	04	Non-NABL	2600.00	
	35.	<b>Mug SS with Double Walled Molded Handle</b>				
Spn. : JSS:7350-21-2012 Amdt. 1						
(i) Dimension:(Vernier Caliper, Micrometer)		0 – 300 mm 0-25 mm	04	Non-NABL	2410.00	
(ii) Staining Test:		As per Specn	36	Non-NABL	2230.00	
	(iii) Load test:	0 – 2 kg	02	Non-NABL	1115.00	

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		<b>Spn. : CQA (GS)/US/496 (a)</b>					
		i) Dimension: (Scale, Micrometer)	0 – 600 mm 0-25 mm	03	Non-NABL	1770.00	
			(ii) Identification of Handle	As per Specn	05	Non-NABL	3240.00
	37.	<b>EC Net Pin Iron MK-1</b>					
		<b>Spn. : IND/GS/1396 (b)</b>					
		(i) Performance Test	As per Specn	01	Non-NABL	560.00	
			(ii) Dimension: (Vernier Caliper)	0 – 300 mm	04	Non-NABL	2600.00
	38.	<b>Container Milk Alum. 20 lt</b>					
		<b>Spn.: IS:1825-1983 &amp; CQA (GS)/SS/403</b>					
		(i) Air Leakage test: (Compressor, Gauge)	0 – 1.06Kg/cm <sup>2</sup>	04	Non-NABL	2230.00	
		(ii) Drop Test:	0 – 3000 mm	03	Non-NABL	1675.00	
		(iii) Leakage through Lid test	As per Specn	01	Non-NABL	560.00	
			(iv) Sheet Thickness: (Micrometer)	0 – 25 mm	04	Non-NABL	2410.00
	39.	<b>Bucket 6 ltr SS with lid</b>					
		<b>Spn. : IS:4768-1981 Fist Rev 1996 CQA (GS)/SS/521 (b)</b>					
		(i) Dimension: (Height Gauge, Vernier Caliper, Micrometer)	0 – 600 mm 0-25 mm	04	Non-NABL	2410.00	
		(ii) Staining Test	As per Specn	36	Non-NABL	2230.00	
			(iii) Performance test	As per Specn	01	Non-NABL	560.00
	40.	<b>Four Way Joint for TEFS</b>					
<b>Spn.: CQA (GS)/US/467 (d)</b>							
(i) Dimension: (Vernier Caliper)		0 – 300 mm	03	NABL	1950.00		
		(ii) Drop test: (Measuring Tape)	0 – 5000 mm	01	NABL	560.00	
41.	<b>Parat Large SS</b>						
	<b>Spn. : CQA(GS)/US/499(b)</b>						
	(i) Dimension: (Scale, Micrometer)	0 – 600 mm 0-25 mm	01	Non-NABL	605.00		
		(ii) Staining Test	As per Specn	36	Non-NABL	2230.00	



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		<b>Spn. : IS:990-1982- Fig-I</b>				
		(i) Staining Test	As per Specn	36	Non-NABL	2230.00
		(ii) Bending Test	2.5 kg	01	Non-NABL	560.00
	43.	<b>Boxes Stationary Field</b>				
		<b>Spn. : IND/GS/1539</b>				
		(i) Contract Test	As per Specn	02	Non-NABL	1115.00
		(ii) Non-Interchangeability	As per Specn	02	Non-NABL	1300.00
		(iii) Dimension: (Scale, Micrometer)	0 – 600 mm	10	Non-NABL	6120.00
	(iv) Chemical Composition	As per Specn	06	Non-NABL	3800.00	
	44.	<b>Tub Iron Galvanized 85 It</b>				
		<b>Spn. :CQA(GS)/SS/570/2014 to IS:4120-RA 2010</b>				
		i) Performance Test	As per Specn	01	Non-NABL	560.00
		(ii) Sheet Thickness: (Micrometer)	0 – 25 mm	03	Non-NABL	1770.00
		(iii) Preece Test	As per Specn	04	Non-NABL	2230.00
	(iv) Amount of coating	As per Specn	01	NABL	560.00	
	45.	<b>Scale Dial Indicating Hanging Type</b>				
		<b>Spn. : CQA (GS)/SS/392 &amp; IS:1702-1967</b>				
		(i) Accuracy / load Test	0 – 100 kg	16	Non-NABL	8920.00
		(ii) Dimension Test	0 - 600 mm	03	Non-NABL	1770.00
	46.	<b>Jerricane 20 liter</b>				
		<b>Spn: JSS:8996-98 RA2010 &amp; SS No. CQA(GS)SS/542</b>				
		(i) Dimension: (Scale, Vernier Caliper, Micrometer)	0 – 600 mm 0-25 mm	04	Non-NABL	2410.00
		(ii) Hardness: (Vicker Hardness Tester)	5 – 50 Kg Load	03	Non-NABL	1670.00
		(iii) Air Pressure Test: (Compressor, Gauge)	0 – 1.0 Kg/cm <sup>2</sup>	01	Non-NABL	560.00
		(iv) Hot Water Test:	As per Specn	01	Non-NABL	560.00
		(v) Hydraulic Pressures Test: (Pump,Gauge)	0 -10 Kg/cm <sup>2</sup>	01	Non-NABL	560.00
		(vi) Drop Test: (Chain-pully System)	0 – 3000 mm	02	Non-NABL	1115.00
(vii) Pouring Test:	As per Specn	01	Non-NABL	560.00		

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		<b>Spn. : CQA(GS)/SS/569/2014 &amp; IS:4109-1967</b>				
		(i) Pull Test	0 -6 kg	02	Non-NABL	1115.00
		(ii) Thickness Test: (Micrometer)	0 – 25 mm	01	Non-NABL	560.00
	48.	<b>Kettle Camp Oval 13.6 Ltrs.</b>				
		<b>Spn. : JSS:7330-43:2014 (Rev. No.3)</b>				
		i) Nature of coating	As per Specn	01	Non-NABL	560.00
		(ii) Nature of material	As per Specn	01	Non-NABL	560.00
		(iii) Amount of coating: (Balance)	As per Specn	06	NABL	3710.00
	(iv) Interchangeability	As per Specn	02	Non-NABL	1300.00	
	49.	<b>U-Pin for TEFS</b>				
		<b>Spn. : IND/GS/467 (d)</b>				
		(i) Dimension: (Scale, Vernier Caliper)	0 – 600mm	02	Non-NABL	1300.00
		(ii) Nature of coating	As per Specn	01	Non-NABL	560.00
		(iii) Preece Test	As per Specn	03	Non-NABL	1680.00
	50.	<b>Lantern Hurricane Tinned size-2</b>				
		<b>Spn. IS:1238-2005 &amp; CQA(GS)/SS/348(b)</b>				
	51.	(i) Thickness of wall: (Micrometer)	0 – 25 mm	08	Non-NABL	4820.00
		<b>Drum Metal Galvanized</b>				
		<b>Spn. : IS:2552-1989 &amp; IND/GS/1189 (a)</b>				
Thickness of sheet: (Micrometer)		0 -25 mm	01	Non-NABL	605.00	
Air pressure test: (Compressor)		0 – 1.06 Kg/cm <sup>2</sup>	01	Non-NABL	560.00	
Drop test: (Chain pulley System, Measuring Tape)	0 – 3000 mm	02	Non-NABL	1115.00		
Handle Pull test	0 – 10 kg	01	Non-NABL	560.00		

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		(i) Glue shear strength: (Tensometer)	0-2000 kg	3	Non-NABL	1580.00
		(ii) Micological Test: (Tensometer)	As per Specn	3	Non-NABL	1580.00
		(iii) Water Resistance test: (Water Bath)	As per Specn	4	Non-NABL	2050.00
	53.	<b>Equipment camouflage Bamboo support Large &amp; Small</b> Spn. :IS:10145-1982 RA-2005 Amdt No. 1 & CQA(GS)/SS/531				
		(i) Moisture Content: (Oven, Balance)	0 – 200 °C 0 – 220 g	2	Non-NABL	1115.00
		(ii) Internodal distance test: (Scale)	0 – 600 mm	2.5	Non-NABL	1350.00
		(iii) Thickness of band: (Micrometer)	0 – 25 mm	2	Non-NABL	1025.00
		(iv) Dia of wire: (Micrometer)	0 - 25 mm	1.5	Non-NABL	790.00
	54.	<b>Ballies Class 1, 2 &amp; 3of various sizes</b> Spn.: IS:3337-1978 with Amdt No. 1 RA -2011 & CQA(GS) /SS/124(g)				
		(i) Moisture Content: (Oven, Balance)	0 – 200 °C 0 – 220 g	2	Non-NABL	1115.00
		(ii) Preservative Test	As per Specn	6.5	Non-NABL	4120.00
	55.	<b>Broom Country</b> Spn. :JSS:7920-26-2005 (Rev.No.1) & CQA (GS)/SS/467(a)				
		(i) Preservative Test	As per Specn	6.5	Non-NABL	4120.00
	56.	<b>UC 4-6 Men set rolling Pin wooden</b> Spn. : CQA (GS) /SS/498				
		(i) Moisture Content: (Oven, Balance)	0 – 200 °C 0 – 220 g	3	NABL	1580.00
	57.	<b>Handle Shovel Hand wooden</b> Spn. : JSS :5120-21 : 2010 Rev. No.2 With Amdt No. 1				
		(i) Moisture Content: (Oven, Balance)	0 – 200 °C	3	NABL	1580.00
(ii) Preservative Treatment Test		As per Specn	6.5	Non-NABL	4120.00	

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER	SL. NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQUIPMENT	DURATION OF TEST ( IN MAN HRS)	NABL STATUS	TESTING CHARGES IN RS(EXCLUDING GST)	
<b>Government of India, Ministry of Defence (DGQA), Controllerate of Quality Assurance (General Stores), DGQA Store Complex, Ashok Path, Cantt. Kanpur- 208 004.</b>  <b>Lt Col Vivek Bist Lab DC. Contact. No.9179299400; 0512 2326808 Email-cqagsknp- dgqa@nic.in</b>	58.	<b>Handle Powrah Wooden</b> Spn.JSS : 5110 -32 :2012 (Rev.No.4)					
		(i) Moisture Content: (Oven, Balance)	Ambt – 200° C 0 – 220 g	3	NABL	1580.00	
	59.	<b>UC 4-6 Men set Slab wooden</b> Spn. :CQA(GS)/US/503					
		(i) Moisture Content: (Oven, Balance)	Ambt – 200° C 0 – 220 g	2	NABL	1580.00	
	60.	<b>Cart Hand No. 1 Mk-2.</b> Spn.: JSS:3920-01-2014 ( Rev. No.3 & CQA (GS)/SS/436(a)					
		(i) Moisture Content: (Oven, Balance)	Ambt – 200° C 0 – 220 g	2	NABL	1580.00	
		(ii) Identification of Timber	As per Specn	10.5	Non-NABL	1115.00	
	61.	<b>Basket Ration with lid</b> Spn. :CQA (GS)/US/555(a)					
		(i) Preservative Treatment Test	As per specn	12	Non-NABL	7600.00	
	62.	<b>Boxes Fibre Board rigid Corrugation</b> Spn. : CQA (GS) /US/445(b)					
		(i) Bursting Strength: (Bursting Tester)	0 - 40kg/cm <sup>2</sup>	1	Non-NABL	560.00	
		(ii) Puncture Resistance: (Puncture Tester)	100-2600 BU	1	Non-NABL	560.00	
		(iii) Cobb Test: (Cobb Test Apparatus)	As per Specn	1	Non-NABL	560.00	
		(iv) ) Acidity & Alkalinity Test: (pH Meter)	As perSpecn	5	Non-NABL	3060.00	
	63.	<b>Boxes Rigid Collapsible covered Type D</b> Spn. : JSS:8115-01 : 2007 ( Rev. No.3), Amdt No. 1 with correction slip					
		(i) Water Absorption: (Cobb Test Apparatus)	As per Specn	1.5	Non-NABL	880.00	
		(ii) Burst factor: (Bursting Tester, Balance))	0 - 40kg/cm <sup>2</sup> 0 – 220 g	1	Non-NABL	560.00	
		(iii) Acidity & Alkalinity Test: (pH Meter)	As per Specn	5	Non-NABL	3060.00	

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER	SL. NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQUIPMENT	DURATION OF TEST ( IN MAN HRS)	NABL STATUS	TESTING CHARGES IN RS(EXCLUDING GST)
<b>Government of India, Ministry of Defence (DGQA), Controllerate of Quality Assurance (General Stores), DGQA Store Complex,Ashok Path,Cantt. Kanpur- 208 004.</b>  <b>Lt Col Vivek Bist Lab DC. Contact. No.9179299400; 0512 2326808 Email-cqagsknp-dgqa@nic.in</b>	64.	<b>Paper wrapping water proof</b> Spn. IS : 1398 -1982(II Rev) & CQA (GS)/SS/363(d)				
		(i) Bursting Strength: (Bursting Tester)	0 - 40kg/cm <sup>2</sup>	1	Non-NABL	560.00
		(ii) Tensile Strength Test: (Tensile Tester)	0 - 50 kg	1.5	Non-NABL	880.00
		(iii) water Penetration: (Cobb Test Apparatus)	As per Specn	1.5	Non-NABL	880.00
		(iii) Acidity & Alkalinity Test: (pH Meter)	As per Specn	5	Non-NABL	3060.00
	65	<b>Paper wrapping Grease Resistance</b> Spn. JSS:8135-03 : 2010 ( Rev. No.1, Amdt No.1 & CQA (GS)/SS/456(a)				
		(i) Bursting Strength: (Bursting Tester)	0 - 40kg/cm <sup>2</sup>	1	Non-NABL	560.00
		(ii) Ageing Test: (Oven)	Ambt – 200° C	1.5	Non-NABL	880.00
		(iii) Grease resistance:	As per Specn	2	Non-NABL	1115.00
		(iii) Acidity & Alkalinity Test: (pH Meter)	As per Specn	5	Non-NABL	3060.00
	66.	<b>Polythene Film</b> Spn.: JSS : 9330-02 : 2014 (Rev. No..3)				
		(i) Mass: (Balance)	Up to 5 kg	1	Non-NABL	560.00
		(ii) Tensile Strength: (Tensile Tester)	0- 20 kg	1.5	Non-NABL	880.00
		(iii) Thickness: (Thickness Tester)	0.01 to 10mm	1	Non-NABL	560.00
		(iv) Density: (Density Bottle, Hydrometer)	0.9 to 1.0	2.5	Non-NABL	1530.00
		(v) Impact Strength: (Dart Impact Tester)	0 to 300 mm	1	Non-NABL	560.00
		67.	<b>Suit Case</b> Spn. : IND/GS/1794(a)			
	(i) Dimensions: (Measuring Tape, Scale)		0-3000mm 0 – 600 mm	2	Non-NABL	1025.00
	(ii) Load test: (Dead Weights)		Up to 75 kg	1	Non-NABL	560.00
	(iii) Drop Test: (Chain-Pulling System, Tape)		2.5 m	1.5	Non-NABL	880.00
(iv) Impact: (Wooden Block)	13.2 kg		1	Non-NABL	560.00	
(v) Thickness: (Ball Type )Micrometer	0.01 to 25 mm		1	Non-NABL	560.00	

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER	SL. NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQUIPMENT	DURATION OF TEST ( IN MAN HRS)	NABL STATUS	TESTING CHARGES IN RS(EXCLUDING GST)
<b>Government of India, Ministry of Defence (DGQA), Controllerate of Quality Assurance (General Stores), DGQA Store Complex,Ashok Path,Cantt. Kanpur- 208 004.</b>  <b>Lt Col Vivek Bist Lab DC. Contact. No.9179299400; 0512 2326808 Email-cqagsknp-dgqa@nic.in</b>	68.	<b>Containers 5 lts with out Lid</b> Spn.: CQA(GS)/SS/541 & IS: 6312 -1991				
		(i) Dimensions: (Measuring Tape, Scale)	0-3000mm 0 – 600 mm	1.5	Non-NABL	880.00
		(ii) Load test: (Dead Weights)	Up to 50 kg	1	Non-NABL	560.00
		(iii) Drop test: (Chain-Pulling System, Tape)	2 mts	1.5	Non-NABL	880.00
		(iv) Density: (Hydrometer)	0.9 to 1.0	1	Non-NABL	560.00
	69.	<b>Can Electrolyte 5 litre</b> Spn. :IND/GS/1707(b)				
		(i) Mass: (Balance)	0 – 10 Kg	1	NABL	560.00
		(ii) Dimensions: (Scale, Vernier Caliper, Micrometer)	0-600 mm 0-150mm 0-25 mm	1.5	Non-NABL	880.00
		(iii) Capacity: (Measuring Cylinder)	10ml – 1 Ltr	1	NABL	560.00
		(iv) Leakage Test	As per Specn	1	Non-NABL	560.00
		(v) Drop Test: (Chain-Pulling System, Tape)	2.0 m	1.5	Non-NABL	790.00
		(vi) Resistance to dry Heat: (Oven)	100°C	1	Non-NABL	560.00
		(vii) Resistance to Sub normal Temp.: (Deep Freezer)	- 40°C	1.5	Non-NABL	560.00
	70.	<b>Water Bottle</b> Spn. : CQA(GS)/Prov/G-131/468(b)				
		(i) Dimensions: (Scale, Vernier Caliper)	0-300 mm 0-150mm	1	Non-NABL	560.00
		(ii) Capacity: : (Measuring Cylinder)	10ml-500ml	1	Non-NABL	560.00
		(iii) Leakage Test:	As per specn	1	Non-NABL	560.00
		(iv) Drop Test: (Measuring Tape)	0-3000mm	1	Non-NABL	560.00
		(v) Potability	1100ml	1	Non-NABL	560.00
		(vi) Thermal Efficiency Test: (Thermometer)	0 - 100°C	2.5	Non-NABL	1530.00
	71.	<b>Snow Goggles</b> Spn.CQA(GS)/Prov/G-71/1/08(d)				
(i) Dimensions: (Scale, Vernier Caliper)		0-300 mm	1.5	Non-NABL	880.00	
(ii) Material		As per Specn	1.5	Non-NABL	880.00	
(iii) Light Transmittance:(Spectrophotometer)		190-1100 nm	2.5	Non-NABL	1530.00	

<p><b>Government of India, Ministry of Defence (DGQA), Controllerate of Quality Assurance (General Stores), DGQA Store Complex, Ashok Path, Cantt. Kanpur- 208 004.</b></p> <p><b>Lt Col Vivek Bist Lab DC. Contact. No.9179299400; 0512 2326808 Email-cqagsknp-dgqa@nic.in</b></p>	72.	<b>Rubberised Coir Mattress</b> Spn. :IS : 8391-1987 Amdt I & Annexure			
	(i) Dimensions: (Measuring Tape, Scale)	0- 3000mm	1	Non-NABL	560.00
	(ii) Indentation Hardness: (Hardness)	0 - 20 kg	2	Non-NABL	1115.00
	(iii) Compression set: (Compression appr.)		2	Non-NABL	1115.00
	(iv) Ageing: (Oven)	Up to 200 °C	2	Non-NABL	1115.00
	(v) Flexing: (Flexing Apparatus)	250000	2	Non-NABL	1115.00
	(vi) Density: (Scale, Balance)	0 – 300 mm 0-5 kg	2	Non-NABL	1115.00
	73.	<b>Abrasive sheet</b> Spn. : IS : 715 ;2002			
	(i) Dimension: (Scale)	0 – 300 mm	0.5	Non-NABL	325.00
	(ii) Tensile Strength: (Tensile Tester)	0 – 1125 N	2	Non-NABL	880.00
	74.	<b>Abrasive Powder</b> Spn. : IS : 715 : 2002			
	(i) Grading: (Sieve Shaker)		1.5	Non-NABL	880.00
	75.	<b>Plastic Container for carrying for fresh item</b> Spn. : JSS : 8110 -01- 2013 (Rev.No. 1)			
	(i) Dimensions: (Scale, Vernier Caliper)	0-600mm 0-150mm	2	Non-NABL	1115.00
	(ii) Load Test: (Dead Weights)	Up to 500 Kg	1	Non-NABL	560.00
	(ii) Drop Test: (Chain-Pulling System, Tape)		1.5	Non-NABL	790.00
	(iv) Density: (Balance)	0-220 g	1	Non-NABL	560.00
	76.	<b>Thermos Flask 0.5 Lt</b> Spn. IS : 7708-1975			
	(i) Capacity: (Measuring Cylinder)	10ml-500ml	1	Non-NABL	560.00
	(ii) Leak Proof		1	Non-NABL	560.00
	(iii) Resistance to Thermal Shock		2	Non-NABL	1115.00
	(iv) Heat Retention Capacity:(Thermometer)	0-300 °C	2	Non-NABL	1205.00

Note: The above testing charges levied for one sample only

**TESTING FACILITIES AT CQA(T&C), KANPUR LABORATORIES**

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO.	SRL. NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQPT.	DURATION OF TEST (MINUTE)	NABL STATUS	TESTING CHARGE S (IN RS.)
CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, DC Lab	<b>TEXTILE PHYSICAL</b>					
	1	Determination of mass per unit length and mass per unit area of fabric	10 to 500 g	45	NABL	500/-
	2	Determination of threads per unit length in woven fabric	10mm, 20mm, 25mm	20	NABL	260/-
	3	Determination of Breaking strength and elongation of woven textile fabrics	40 N - 8,000 N	90	NABL	830/-
	4	Determination of Dimensional changes of woven (Other than wool) textile fabrics	± 30%	For shrinkage 2 hrs 30 min & for dry 3 days	NABL	535/-
	5	Determination of Water repellence of fabric by cone test	1 ml to 400 ml	18 hrs 45min	NABL	500/-
	6	Determination of Water repellence of fabric by water spray test	Rating 1 to 100	30	NABL	305/-
	7	Determination of resistance to penetration by water of fabrics by static pressure head test	5 to 90 cm water column with 10 cm <sup>2</sup>	60	NABL	700/-
	8	Determination of Dimensional changes of fabrics containing wool on soaking in water	30 %	For shrinkage 2 hrs 30 min & for dry 7 days	NABL	535/-
	9	Determination of mass per unit area (mass/ sq meter) of the coated & treated fabrics	10-500 g	45	NABL	500/-
	10	Determination of dimensional change of gents rib – knitted nylon stocking soaking in water	30%	For shrinkage 2 hrs 30 min & for dry 5 days	NON NABL	535/-
	11	Determination of Breaking strength and extension at break of coated & tested fabrics	0 - 250 Kgf	90	NABL	830/-
	12	Determination of linear density of yarn in tex	-----	45	NON NABL	500/-
	13	Determination of length (m/kg) of sewing thread	Upto 500 m	30	NON NABL	250/-
	14	Determination of Breaking load & elongation at break of single thread	0-200 N	60	NABL	780/-
15	Determination of linear density, dia and length of ropes and cordages	500 ktex upto 10 mm-50 mm	50	NON NABL	565/-	



CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUJIA JAG(NFSG), Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, <u>DC Lab</u>	16	Determination of Breaking load & elongation at break of ropes & cordages	Upto 2500 kg	60	NON NABL	610/-
	17	Determination of tear strength of coated & treated fabric	0- 250 Kgf	60	NON	610/-
					NABL	
	18	Determination of wool fibre diameter and fitness of wool tops-projection microscope methods	125X, 250X, 500X	130	NON NABL	1430/-
	19	Determination of thickness of textiles and textiles products	0.1 mm to 20 mm	30	Yes	390/-
	20	Determination of Buoyancy ratio of kapok	14 to 19	3 days and 25 min	No	240/-
	21	BWR Test	----	30 min	Yes	500/-
	22	Nature of weave	----	10 min	NON NABL	245/-
	23	Number of Needles	----	15 min	NON NABL	245/-
	24	Dimension (Plain socks)	----	10 min	NON NABL	390/-
	25	Mass per pair upto 13 pairs	----	15 min	NON NABL	130/-
	26	Width web Thick 51 mm & 25 mm	----	10 min	NON NABL	260/-
	27	Mass in gram per meter of web Thick	----	15 min	NON NABL	500/-
	28	Breaking Load of web thick	----	1 hr	NON NABL	390/-
	29	Line Cotton 19 mm & 13 mm linear density, diameter, pitch of maximum length of 10 lays & No. of yarns per strand	----	30 min	NON NABL	565/-
	30	Breaking load of Line Cotton	-----	1 hr	NON NABL	390/-
31	Cloth Hessian Mass in gsm	-----	3 hr	NON NABL	500/-	

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO.	SRL. NO.	TEST FACILITIES AVAILABLE		RANGE OF TEST EQPT.	DURATION OF TEST (MINUTE)	NABL STATUS	TESTING CHARGES (IN RS.)	
CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUJIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, DC Lab	32	32 a	Dimensions-	-----	30	NON NABL	390/-	
		32b	Determination of No. of Needles	-----	15	NON NABL	195/-	
		32c	Determination of Mass/pair	-----	10	NON NABL	130/-	
	33	Parameters of Synthetic (Plastic) Slide Fastner-						
		33a	Time taken for Dimensions (Table-3 SL.No 1 to 8 of clause 7.1 & 8.1)	-----	30	NON NABL	390/-	
		33b	Security Requirement	-----	60	NON NABL	780/-	
		33c	Performance Requirement	-----	60	NON NABL	780/-	
	34	Parameters of Tape Woven-						
		34a	Ends in Full Width	-----	15	NABL	195/-	
		34b	Picks/cm-	-----	15	NABL	195/-	
		34c	Breaking Strength-	-----	30	NABL	390/-	
		34d	Length & width	-----	15 min	NABL	260/-	
	35	Parameters of Laces (Synthetic Plastic Slide fastner)						
		35a	Ends in Full Width	-----	15	NABL	195/-	
		35b	Picks/cm-	-----	15	NABL	195/-	
		35c	Breaking Strength-	-----	30	NABL	390/-	
		35d	Length & Width	-----	20	NABL	260/-	

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO	Sri. No.	Test Facilities available	Range of Test Eqpt.	Duration of Test (minute)	NABL Status	Testing Charges (In Rs.)
CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUJIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, DC Lab	36	<b>Parameters of Hooks &amp; Loop Fastners-</b>				
		36a Peel Strength	-	45	NON NABL	500/-
		36b Shear Strength	-	45	NON NABL	500/-
		36 c Endurance Test		2 hr	NON NABL	390/-
	37	<b>Wet ability Testing</b>	-----	40	NON NABL	460/-
	38	<b>Pilling Test</b>	-----	7 hrs 30 min	NON NABL	720/-
	39	Crease Recovery Test	-----	60	NON NABL	610/-
	40	Tenacity of yarn (Teat is not carried out on filament yarn removed from made up store to higher variation) for basic material	-----	1 hr	NON NABL	1180/-
	41	Resistance to low temperature(-40 °C)	-----	7 hrs	NON NABL	205/-
	42	Weight of deproofed Fabric per sample	-----	45	NABL	500/-
	43	Separation of PU Film-	-----	25	NON NABL	270/-
	44	Blocking Test-	-----	1 hrs	NON NABL	270/-
	45	Resistance to accelerated Ageing@ 70 °C± 1°C for 168 hrs.	-----	25	NON NABL	270/-
	46	Resistance to damage by Flexing after (100000 cycles)	-----	7 hrs 30 min	NON NABL	270/-
	47	Tear Strength of Fabric	-----	75	NON NABL	720/-
	48	Low Pressure Head Test	Up to 30 cm water head	1 hr	NON NABL	660/-
	49	Martindale Abrasion resistance test	-----	30 min	NON NABL	400/-
	50	Direction of Twist	----	15 min	NON NABL	130/-
	51	Number of Ply	-----	10 min	NON NABL	130/-
	52	Number of Spindles	-----	10 min	NON NABL	200/-
53	No. of ends(Sheath end, Core End)	-----	15 min	NON NABL	200/-	

**(TEXTILE CHEMICAL)**

<b>NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO</b>	<b>Srl. No.</b>	<b>Test Facilities available</b>	<b>Range Of Equipment</b>	<b>Duration of Test</b>	<b>NABL Status</b>	<b>Testing Charges (in Rs)</b>
CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, DC Lab	1	pH Value –IS: 1390-1983(Cold Method)	0-14	26 Hrs	NABL	780/-
	2	Scouring Loss – IS : 1383-1977 (Mild Method)		4 Days	NABL	925/-
	3	% WSM – IS : 3456 – 1966	—	5 Days	NABL	820/-
	4	% Ash Content – IS : 199 – 1989	Muffle Furnace 700-800°C	6 Days	NABL	460/-
	5(a)	Identification Of Textile Fiber – IS : 667- 1981 (Single Fiber)	--	1 Day	NABL	130/-
	5 (b)	Identification Of Textile Fiber – IS : 667 – 1981 (Binary Fiber)	--	2 Days	NABL	775 /-
	5 (c)	Identification Of Textile Fiber – IS : 667 – 1981 (Tertiary Fiber)	--	4 Days	NABL	1550/-
	6	Composition / Quantitative Chemical Analysis % - IS : 3416 - 1988 Mixtures Of Polyester Fiber with Cotton & Regenerated	--	3 Days	NABL	1650/-
	7	Color Fastness Of Textile Materials to Washing IS/ISO 105-C10 : 2010 Test A(1) or IS : 687 - 79 RA 1999 Test 1	Temp 40-95 °C	2 Days	NABL	610/-
	8	Color Fastness Of Textile Materials to Washing IS/ISO 105-C10 : 2010 Test B(2) or IS : 3361 - 79 RA 1999 Test 2	Temp 40-95 °C	1 Day	NABL	610/-
	9	Color Fastness Of Textile Materials to Washing IS/ISO 105-C10 : 2010 Test C(3) or IS : 764 - 79 RA 2003 Test 3	Temp 40-95 °C	1 Day	NABL	610/-
	10	Color Fastness Of Textile Materials to Washing IS/ISO 105-C10 : 2010 Test D(4) or IS : 765 - 79 RA 2003 Test 4	Temp 40-95 °C	1 Day	NABL	610/-
11	Color Fastness Of Textile Materials to Washing IS/ISO 105-C10 : 2010 Test E(5) or IS : 3417 - 79 RA 2003 Test 5	Temp 40-95 °C	1 Day	NABL	610/-	
12	Determination of Color Fastness of Textile Materials to Artificial Light (Xenon Lamp) IS : 2454 : 1985 RA (For	-	-	NABL		

CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUJIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, <u>DC Lab</u>	12 (a)	Determination of Color Fastness of Textile Materials to Artificial Light (Xenon Lamp) IS : 2454 : 1985 RA (For Rating 1-3)	---	3 Days	NABL	350/-
	12 (b)	Determination of Color Fastness of Textile Materials to Artificial Light (Xenon Lamp) IS : 2454 : 1985 RA (For Rating 4)	----	3 Days		950/-
	12 (c)	Determination of Color Fastness of Textile Materials to Artificial Light (Xenon Lamp) IS : 2454 : 1985 RA (For Rating 5)	----	4 Days	NABL	1650/-
	12 (d)	Determination of Color Fastness of Textile Materials to Artificial Light (Xenon Lamp) IS : 2454 : 1985 RA (For Rating 6)	---	5 Days	NABL	3300/-
	13	Perspiration - IS : 971-1983	---	1 Day	NABL	610/-
	14	Bleaching - IS : 762 - 1988	---	1 Day	NON NABL	480/-
	15	Sea Water - IS : 690 - 1988	-	1 Day	NABL	540/-
	16	Rubbing – IS : 766 – 1988	-	1 Day	NABL	540/-
	17	Dry Cleaning – IS : 4802 – 1988	-	1 Day	NON NABL	610/-
	18	Composition / Quantitative Chemical Analysis % - IS:1889-Part IV – 1979 Mixtures Of Regenerated Cellulose Fiber with Cotton	-	2 Days	NON NABL	1770/-
	19	Composition / Quantitative Chemical Analysis % - IS:2006-1988 Mixtures Of Protein Fibers with Certain other Non Protein Fibers	-	2 Days	NABL	1650/-
	20	Composition / Quantitative Chemical Analysis % - IS:2005-1988 Mixtures Of Nylon 6 or 66 Fibers and Certain other Fibers	-	2 Days	NON NABL	1650/-
	21	% Cu Content – CQA (T&C) Schedule No.G/16022/TC-9B June 1974	-	2 Days	NON NABL	2000/-
	22	% Zn Content – CQA (T&C) Schedule No. G/16022/TC-9B June 1974	-	2 Days	NON NABL	2400/-
	23	Proofing Content (%) in Special Proofed Canvas and Duck – IS : 6803 – 1972	-	6 Days	NON NABL	900/-
	24	% Cr Content IS : 4655 – 1968	-	2 Days		3200/-
	25	% CL Content – IS : 4202 – 1967	-	2 Days	NON NABL	1650/-
	26	% Sulphate Content – IS : 4203 – 1967	-	2 Days	NON NABL	1650/-
	27	Barium Activity Number – IS : 1689 – 1973	-	2 Days	NON NABL	2400/-
	28	Residual Starch – IS : 1968 – 1961	-	2 Days	NON NABL	3200/-

**LEATHER,RUBBER AND FOOTWEAR (MECHANICAL &CHEMICAL)**

NAME OF ESTT. WITH ADDRESS, NAME OF NODAL OFFICER AND CONTACT NO	Srl. No.	Test Parameter	Range of Test Equipment	Duration of Test(Conditioning time included where applicable)	NABL Status	Total Charges in Rs (Excluding GST)
CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUJIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, <u>DC Lab</u>	1.	Determination of pH of Water Soluble Matter	0 to 14	05 Days	NON NABL	720/-
	2.	Determination of (%) Volatile Matter	---	04 Days	NABL	410/-
	3.	Determination of(%) solvent Extractable Matter	---	05 Days	NABL	540/-
	4.	Determination of (%) Moisture Content	---	04 Days	NABL	410/-
	5.	Determination of (%) Total Ash of all type of Leather	---	04 Days	NABL	540/-
	6.	Determination of water Soluble Matter in all type Leather	---	05 Days	NON NABL	1050/-
	7.	Determination of(%) Sulphated Ash of water Soluble Matter in all type Leather	---	06 Days	NON NABL	1250/-
	8.	Determination of water Insoluble Ash in all type Leather	---	06 Days	NON NABL	1780/-
	9.	Determination of Nitrogen and Hide Substance in all type Leather	---	05 Days	NON NABL	720/-
	10.	Determination of Bound Organic and Degree of Tanned Leather	---	07 Days	NON NABL	4500/-
	11.	Determination of (%) Chromic Oxide Content	---	04 Days	NABL	600/-
	12.	Determination of Shape Retention of Toe-Cap of Boot Ankle Leather	0 to 300 mm	03 Days	NON NABL	700/-
	13.	Determination of Thickness of Leather Test Piece	0 to 10 mm	03 Days	NABL	170/-
	14.	Determination of Hardness of Vulcanized Rubber (original only)	0 to 100 shore A	02 Days	NON NABL	110/-

CONTROLLERATE OF QUALITY ASSURANCE (TEXTILE & CLOTHING), KANPUR. SHRI. G C KANAUJIA JAG(NFSG),Jt. Controller  0512-2324410  Lt.Col. CST SWAMY, <u>DC Lab</u>	15.	Determination of Hardness of Vulcanized Rubber (original and Aged)	0 to 100 shore A	09 Days	NON NABL	260/-
	16	Determination of (%) Rubber Hydrocarbon	---	04 Days	NABL	870/-
	17	Determination of (%) Ash content	---	02 Days	NABL	270/-
	18	Determination of (%) Carbon Black of Rubber Product	---	07 Days	NABL	1190/-
	19	Determination of (%) Acetone –Chloroform Extractable Material of Rubber Product	---	04 Days	NON NABL	540/-
	20	Determination of (%) Alcoholic Potash Extract	---	06 Days	NON NABL	1650/-
	21	Determination of (%) Total Sulphur of Rubber Product	---	07 Days	NON NABL	1970/-
	22	Determination of (%) Inorganic Sulphur of Rubber Product	---	07 Days	NON NABL	2240/-
	23	Determination of (%) organic Sulphur of Rubber Product	---	07 Days	NON NABL	4210/-
	24	Determination of(%) Nitrogen( calculated as Glue) of Rubber Product	---	05 Days	NON NABL	1390/-
	25	Determination (%) Total Rubber Polymer Content	---	12 Days	NON NABL	9240/-
	26	Determination of Thickness of Rubber Component at different places	0 to 10mm	02 Days	NABL	80/-

**TESTING FACILITIES AT SQAЕ (GS), KOLKATA LABORATORIES**

NAME OF ESTT WITH ADDRESS, NAME OF THE NODAL OFFICER AND CONTACT NO LANDLINE MOBILE NO & E MAIL	SRL. NO	TESTING FACILITIES AVAILABLE	RANGE OF EQUIPMENT.	DURATION OF TEST	NABL STATUS	TESTING CHARGES (IN RS.)	
SQAЕ(GS),5 Commissariat Road,Hastings PO, Kolkata 700022 <b>Contact No. Landline</b> :033- 22230610 <b>e-mail</b> : sqaegskol-dgqa@nic.in <b>Nodal Officer:</b> Shri Purushottam De,P sc O,QAО Testing Mobile No – 8765730630		<b>MECHANICAL</b>					
		<b>TEXTILES(YARN &amp; CHORD, LINES, TWINES, ROPES)</b>					
	1.		<b>Manual Counting</b>				
		Construction	1 to 400 No.	15 Days	NABL	150	
		(ii) Pitch	4/m to 1200/m		NABL	270	
		(iii) Direction of Twist	Qualitative Test		NABL	150	
		(iv) Lay	1 to 30		NABL	390	
		(v) Balance of twist	100 m/Kg to 55,000 m/Kg		NABL	270	
		(vi) Count	Qualitative Test		NABL	270	
		(vii) Turn per metre	4/m to 1200/m		NABL	290	
	2	Diameter ( <b>Scale or Caliper</b> )	0.5 to 290 mm Dia		NABL	150	
	3	(i) Length per Kg ( <b>Warp Reel &amp; Balance</b> )	10g/m to 1,100 g/m	NABL	270		
	4	(ii) Linear Density ( <b>Warp Reel &amp; Balance</b> )	3 tex to 100 tex & 200 tex (if single ply yarn)	NABL	270		
			<b>Yarn Strength Tester (up to 20 Kg), Various Tensile Tester (Horizontal/ Verticle) 200-39000 N</b>				
	5	(i) Breaking Load & EB%	0.1 Kg to 16 Kg for yarn 40 N to 30,000 N for others 1 to 400 No.	15 Days	NABL	290	
			<b>TEXTILE FABRIC AND COATED FABRIC</b>				
		(ii) Breaking Load	40N to 12740 N	15 Days	NABL	290	
6	No of threads/Unit length, No of stitches (Manual)	10/cm to 100/cm Above 100/cm	NABL		270		
7	Length & Width ( <b>scale</b> )	1cm to 20m,0.5 to 300 cm	NABL		270		



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	<b>TEXTILE FABRIC AND COATED FABRIC</b>					
	8	Mass/m <sup>2</sup> ( <b>Scale &amp; Analytical Balances</b> )	20 g/sq mt to 1000 g/sq mt	15 Days	NABL	270
	9	Pressure head ( <b>Pressure Head Test Apparatus</b> )	Qualitative Test		NABL	510
	10	(i) Shrinkage relaxation ( <b>Scale, Conductivity Meter</b> )	0.5 to 50 %		NABL	510
		(ii) Water Quality for relaxation shrinkage	As per specification		Non-NABL	270
	11	Thickness ( <b>Digital Fabric Thickness Gauge</b> )	0.04 to 10 mm		NABL	270
	12	<b>Water proofness Testing Appts (Upto 90 cm water head), Bundesmann Water Repellency Appts, Cone Tester</b>				
		(i) Immersion Test	Qualitative Test	15 Days	Non-NABL	390
		(ii) Absorbency	Qualitative Test		Non-NABL	150
		(iii) Water proof ness test	Qualitative Test		Non-NABL	510
		(iv) Cone Test	Qualitative Test		Non-NABL	390
	13	Measure of Moisture Regain ( <b>IJIRA Moisture Meter</b> )	As per specification		NABL	270
	<b>RUBBER &amp; LEATHER</b>					
	14	Density	1.0 to 2.5 gm/cm <sup>3</sup>		NABL	250
	15	Compression test	3—80%		NABL	800
	16	<b>Shore A deg Hardness Tester</b>			NABL	
		(i) Rubber Hardness	10° to 90° Shore A deg		NABL	250
		(ii) Rubber Hardness (After Ageing) 72 hours			NABL	360
		(iii) Rubber Hardness (After Ageing) 168 hours			NABL	1020

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		<b>RUBBER &amp; LEATHER</b>				
	17	<b>(Tensile Tester 0-150 Kg)</b>				
		(i) Adhesion Strength	15 to 4000 N	<b>30 Dys</b>	NABL	250
		(ii) Accelerated Ageing by Heating Test at ( 24 hours)	Ageing in Hot Air Ageing Oven at 40 to 225 °C		NABL	360
		(iii) Accelerated Ageing by Heating Tes( 72 hours)			NABL	580
		(iv) Accelerated Ageing by Heating Test (168hours)			NABL	1020
		(v) Tensile Strength before Ageing			50 to 4000 N B L	NABL
		(vi) Elongation at Break before Ageing	As per specification		NABL	
		(vii) Tensile Strength & Elongation at Break after Ageing (24 hours)	TS - 50 to 4000 N EB - 25 to 750%		NABL	360
		(viii) T.S & E.B ( 72 hours)			NABL	580
		(ix) T.S & E.B 168 hours)			NABL	1020
	18	Resistance to Flexing Crack Growth	100 cycles/min or 300 ± 10 flexing/min		Non-NABL	350
	19	thickness of rubber & Leather components <b>(Dial Thickness Gauge 0-10 mm &amp; 0-50 mm ; Digital Thickness Gauge for Leather 0-10 mm)</b>	0 – 10 mm; 0-50 mm	NABL	250	
20	Dimension <b>(Dial Calliper 0-150 mm, 0-300 mm; Micrometer 0-25 mm, 25-50 mm)</b>	As per specification	NABL	500		
21	Sole Adhesion Test <b>(Sole Adhesion Tester)</b>	0-1000 N	NABL	250		
22	Resistance to cold <b>(Cold Chamber)</b>	0 to (-) 40° C	Non-NABL	1100		

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		<b>FERROUS AND NON FERROUS METAL WAERS, FIBRE BOARD BOXES, TIMBERS, PLASTICS</b>				
	23	Hardness( <b>Rockwell</b> )	20 to 100 HRB 20 to 70 HRC	10 Days	NABL	750
	24	Hardness of Ferrous Metals in VPL	0 – 120 Kg		Non-NABL	1100
	25		<b>Digital Vernier Caliper 0-150 mm, Dial Caliper 0-150 mm, 0-300 mm, Digimatic Micrometer – 0-25 mm</b>			
		(i) Dimension (Length)	0.7 to 250mm	10 Days	NABL	50
		(ii) Dimension (Dia)	0.2 to 20 mm		NABL	50
		(iii) Dimension (Height)	0.7 to 24 mm		NABL	50
	26	Bursting Strength Test ( <b>Bursting Strength Tester</b> )	Using three gauges i) 0-60 Kgf/cm <sup>2</sup> ii) 0-28 Kgf/cm <sup>2</sup> iii) 0-3.5 Kgf/cm <sup>2</sup>		Non-NABL	750
	27	Moisture Content	1 to 30 %		NABL	1300
	28	BS /Shear Strength ( <b>Hounsfield Tensometer Type—V</b> )	0-2000 Kg		Non-NABL	750
	29	Digimatic Measurement of Tools ( <b>Large Tool Maker Microscope</b> )	Qualitative Test		Non-NABL	500
	30	(i) Shock Absorption Test ( <b>Helmet</b> )	Qualitative Test		Non-NABL	250
		(ii) Rigidity Test ( <b>Helmet</b> )	Qualitative Test		Non-NABL	250
		(iii) Penetration Test ( <b>Helmet</b> )	Qualitative Test		Non-NABL	250
(iv) Harness Test ( <b>Helmet</b> )		Qualitative Test	Non-NABL	250		
31	Identification of Bristle,Cow tell	Qualitative Test	Non NABL	750		

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**Nodal Officer:** Shri  
 Purushottam De,P sc O,QAQ  
 Testing  
 Mobile No – 8765730630

<b>CHEMICAL</b>					
<b>Various Textiles Items</b>					
1	pH Value	1-14	10 Dys	NABL	250
2	Loss on Scouring	0.1% to 25 %		NABL	500
3	Oil Content	1% to 25 %		NABL	280
4	Water Soluble Matter Content	0.1% to 10 %		NABL	380
5	Ash Content	0.1% to 20 %		NABL	360
6	Chromium & Iron Content	0.5% to 10%		NABL	620
7	Identification of Material	As per specification		NABL	500
8	% Composition of Fibres (Polyster+Cellulose), (Protein + Non Protein)	1 to 100%		NABL	750
9	Dye Fastness to Washing	1 to 5 Rating		NABL	600
10	Identification of Dyes	Qualitative Test		Non-NABL	1500
11	Melting Point	100 – 300° C		Non-NABL	500
12	Density	As per specification		Non-NABL	250
13	Euflavin Content	As per specification		Non-NABL	500
14	Copper Content	As per specification		Non-NABL	530
15	Zink Content	As per specification		Non-NABL	530
16	Colour Fastness to Rubbing/ Crocking	1 to 5 Rating		Non-NABL	250
17	Colour Fastness to Perspiration	1 to 5 Rating		Non-NABL	500
<b>RUBBER</b>					
18	Identification	Qualitative Test	30 days	NABL	3000
19	Rubber Hydrocarbon Content	1 % -- 96 %		NABL	2500
20	Acetone Extractable Matter Content	0.5 % to 25 %		NABL	280
21	Free Sulphur Content	0.05 % to 5 %		NABL	630
22	Carbon Black Content	0.2 % to 50 %		NABL	510
23	Resistance to Xylene	Qualitative Test		NABL	250
24	Resistance to Acid & Alkali	Qualitative Test		NABL	250
25	Rubber Polymer Content	1-96 %		NABL	5000
26	Filler Content	0.5% to 50%		NABL	360

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			<b>RUBBER</b>			
	27	Acetone & Chloroform Extractable Matter Content	1 % to 25%	30 Days	NABL	280
	28	Alcoholic KOH Extractable Matter Content	0.5 % to 10 %		NABL	540
	29	Combined Sulphur Content	0.1 % to 10 %		NABL	660
	30	Nitrogen as Glue Content	0.5 % to 25%		NABL	760
			<b>LEATHER</b>			
	31	Total Ash	0.5 % to 15 %	30 Days	NABL	360
	32	Solvent Extractable Matter	0.2% to 20 %		NABL	280
	33	pH of water soluble	1-14		NABL	380
	34	Degree of Tannage	1-90		NABL	5000
	35	Sulphated Ash Content	0.1 to 10 %		NABL	600
	36	Hide Substance	10 % to 80 %		NABL	600
	37	Water soluble matter	1 % to 35 %		NABL	380
	38	Solvent Extractable Matter	0.2% to 20 %		NABL	270
	39	Chromium Content	0.5 % to 10 %		NABL	500
			<b>Non Ferrous Metal Waers</b>			
	40	Copper Content	1% to 99.80%	30 Days	NABL	2600
	41	Lead Content	0.1% to 5 %		NABL	2600
	42	Tin Content	0.1 % to 15%		NABL	2900
	43	Iron Content	0.02% to 2 %		NABL	2200
	44	Copper Content (Pure Metal)	0.1 to 99.99 %		Non-NABL	1500
	45	Manganese Content	As per specification		Non-NABL	2200
	46	Magnesium Content	As per specification		Non-NABL	2900
	47	Silicon Content	As per specification		Non-NABL	2900
	48	Sulphur Content	As per specification		Non-NABL	1500
	49	Phosphorus Content	As per specification		Non-NABL	3650
	50	pH Value of Paper	1-14	Non-NABL	370	

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	<b>PAINTS</b>					
	51	Drying Time	Subjective Test	30 Days	NABL	2200
	52	Colour	Qualitative Test		NABL	750
	53	Mass in Kg/10 litre	8.2 to 25 Kg/10 litre		NABL	750
	54	Scratch Hardness	Qualitative Test		NABL	750
	55	Efflux Time/ Consistency	20 Sec to 300 Sec		NABL	750
	56	Wet Opacity	50 to 1250 m <sup>2</sup> / 10 litre		NABL	1500
	57	Resistance to Petrol-Benzol Mixture	Qualitative Test		NABL	1500
	58	Application of Paints & Finish	Qualitative Test		Non-NABL	500
	59	Particle Size (Fineness of Grind)	Qualitative Test		Non-NABL	250
	60	Protection against Corrosion	Qualitative Test		Non-NABL	3000
	61	Film Thickness	Upto 0.004		Non-NABL	750
	62	Flash Point	65° C (Max)		Non-NABL	1500
	63	Flexibility and Adhesion of Paints	Qualitative Test		Non-NABL	750
	64	Resistance to Impact	As per specification		Non-NABL	750
	65	Gloss	Digital Gloss Meter		Non-NABL	750
	66	Gloss & Finish	With 45° & 60° Head AMIL (Brand)		Non-NABL	750
	67	Lead Restriction	Qualitative Test		Non-NABL	11600
	68	%Pigment Analysis	As per specification		Non-NABL	5800
	69	Resistance to Heat, Acid, Alkali, Warm Water	Qualitative Test		Non-NABL	5800
	70	Resistance to Salt Spray	Qualitative Test		Non-NABL	1500
	71	Accelerated Storage Stability test	Qualitative Test		Non-NABL	1500
	72	Durability test	Qualitative Test		Non-NABL	750
73	Water Content	As per specification	Non-NABL		1500	
74	Natural outdoor weathering	Qualitative Test	Non-NABL		4350	

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	<b>INORGANIC CHEMICAL (LIP SALVE)</b>					
	75	Solubility in Chloroform	Qualitative Test	30 days	NABL	370
	76	Lanolin Appendix A of above spcn.	Qualitative Test		NABL	370
	77	Saponification Value in mg of KOH/g	1 to 50		NABL	1500
	78	Temp. effect at 35°C ± 2°C Appendix C of above spcn.	Qualitative Test		NABL	1500
	79	Acid Value Appendix E of above spcn.	0.12 to 10		NABL	750
	80	Consistency Appendix F of above spcn.	Qualitative Test		NABL	1500
	<b>INORGANIC CHEMICAL (Antifreeze Coolant) (DAFC 30, DAFC 50)</b>					
	81	Pour Point/Freezing point in °C	-70°C to 0 °C	30 days	NABL	3000
	82	Kinematic Viscosity at 37.8°C	2.47 cst to 145.07 cst		NABL	750
	83	Foaming Tendency	Qualitative Test		NABL	1500
	84	Refractive Index at 20°C	1.3007 to 1.6993		NABL	750
	85	Sulphate	Qualitative Test		NABL	4350
	86	pH of liquid sample	1-14		Non-NABL	1500
	87	Moisture content, Residue on evaporation	160° C & 0 – 5 lb/sq. inch		Non-NABL	1500
	88	corrosion test	Qualitative Test		Non-NABL	3000
	89	Distillation Test	Qualitative Test		Non-NABL	1500
	<b>INORGANIC CHEMICAL (Special purpose chemicals viz URF etc.)</b>					
	90	Kinematic Viscosity at 37.8°C	As per specification	30 Days	Non-NABL	750
91	Kinematic Viscosity at 30.0°C	As per specification	Non-NABL		750	
92	Kinematic Viscosity at 27.2°C	As per specification	Non-NABL		750	
93	Glycerol %	As per specification	Non-NABL		1500	
94	Ethyl Alcohol %	As per specification	Non-NABL		1500	
95	Sodium Nitrite %	As per specification	Non-NABL		1500	
96	Di-Sodium Hydrogen Phosphate %	As per specification	Non-NABL		3000	
97	Benzetrisol loss in Weight of panel, mg	Qualitative Test	Non-NABL		15500	

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	<b>INORGANIC CHEMICAL (Special purpose chemicals viz URF etc.)</b>					
	98	Chloride %	As per specification	30 days	Non-NABL	750
	99	pH at 25 °C	1-14		Non-NABL	750
	100	Ash %	As per specification		Non-NABL	1500
	101	Freezing Point	Up to –60°C		Non-NABL	3000
	102	Miscibility with Water	Qualitative Test		Non-NABL	250
	103	Resistance to corrosion	Qualitative Test		Non-NABL	15500
	<b>PETROLEUM PRODUCTS</b>					
		<b>Grease</b>		30 days		
	104	Drop Point °C	40 to 250 °C		NABL	1500
	105	Free Acidity as Oleic Acid ( % by Mass)	0.05 to 1.00 %		NABL	3000
	106	Free Alkalinity as Ca(OH) <sub>2</sub> ( % by Mass)	0.03 to 0.50 %		NABL	
	107	Glycerol Content	0 to 1 %		NABL	17500
	108	Copper Strip Corrosion	Qualitative Test		NABL	4500
	109	Heat Stability	Qualitative Test		NABL	3000
	110	Oil Separation/ Thermal Stability of Grease.	0 to 8 %		NABL	950
	111	% Evaporation Loss	0.013 to 10 %		NABL	1600
	112	Penetration Number	1 to 399		NABL	900
	113	Corrosion Preventive Properties	Qualitative Test		Non-NABL	3000
114	Leakage and Deposit forming tendency test	Qualitative Test	Non-NABL		1500	
115	Low Temperature Pumping test	Qualitative Test	Non-NABL		3000	
116	Rust Preventive Properties	Qualitative Test	Non-NABL		750	
117	Water Content	As per specification	Non-NABL	1500		
118	Soap Content	As per specification	Non-NABL	17500		



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	<b>PETROLEUM PRODUCTS</b>					
		<b>Grease</b>				
	119	Mineral Oil content	As per specification	30 Days	Non-NABL	17500
	120	Graphite Content	As per specification		Non-NABL	7250
	121	Sulphated Ash	As per specification		Non-NABL	2200
	122	%Molybdenum Disulphide	As per specification		Non-NABL	7250
		<b>Fuel</b>				
	123	Density at 15°C	0.600 to 0.999	30 Days	NABL	250
	124	Silver Strip Corrosion	Qualitative Test		NABL	400
	125	Water Reaction	Qualitative Test		NABL	750
	126	Flash Point (Abel)	0°C to 70 °C		NABL	1500
	127	Distillation	40° C to 399 °C		NABL	1500
	128	Smoke Point	0 to 50 mm		NABL	370
	129	Colour (Say bolt)	Qualitative Test		NABL	370
	130	C.S. Corrosion	Qualitative Test		NABL	390
	131	Doctor test	Qualitative Test		Non-NABL	500
	132	Existent Gum(Residue on Evaporation)	Qualitative Test		Non-NABL	500
	133	% Carbon Residue by Mass	Qualitative Test	Non-NABL	1450	
	134	Freezing Point	Qualitative Test	Non-NABL	5800	
		<b>Lube Oil</b>				
135	Phosphorous	0.006 to 1 %	30 Days	NABL	17500	
136	Flash Point (COC)	100°C to 300 °C		NABL	1500	
137	Kinematics Viscosity (KV)	2.59 to 145.03 cst		NABL	750	
138	Viscosity Index	Calculated from KV		NABL	250	
139	Sulphated Ash	0 to 10 %		NABL	1500	
140	Acidity mg KOH/g	0 to 1.0 %		NABL	750	
141	Sap Value as mg KOH/g of sample	0.1 to 200		NABL	750	

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		<b>PETROLEUM PRODUCTS</b>				
		<b>Lube Oil</b>				
	142	Foaming Tendencies	Qualitative Test	30 Days	Non-NABL	1500
	143	Emulsion Characteristics	Qualitative Test		Non-NABL	1500
	144	Pour Point	Qualitative Test		Non-NABL	1500
	145	Rust Prevention Characteristics	Qualitative Test		Non-NABL	3000
	146	Evaporation Loss test	Qualitative Test		Non-NABL	1100
	147	Homogeneity & Miscibility	Qualitative Test		Non-NABL	1500
	148	Colour	Qualitative Test		Non-NABL	750
		<b>Protective PX</b>				
	149	Drying Time	Qualitative Test	30 days	NABL	750
	150	Adhesion & Stickiness	Qualitative Test		NABL	750
	151	Protection against Corrosion	Qualitative Test		Non-NABL	750
	152	pH Value	1-14		Non-NABL	250
	153	Drop Point	0 – 250° C		Non-NABL	1500
	154	Flash Point	As per specification		Non-NABL	1500
	155	Film Forming Properties	Qualitative Test		Non-NABL	750
	156	Presence of Lanolin	Qualitative Test		Non-NABL	750
	157	Corrosive action on Lead	Qualitative Test		Non-NABL	3000
	158	Corrosiveness on metal	Qualitative Test		Non-NABL	3000
159	Stability	Qualitative Test	Non-NABL	3000		
160	Volatile Matter	As per specification	Non-NABL	1500		

SQAE(GS),5 Commissariat Road,Hastings PO, Kolkata 700022 <b>Contact No. Landline</b> :033- 22230610 <b>e-mail</b> : sqaegskol- dgqa@nic.in <b>Nodal Officer:</b> Shri Purushottam De,P sc O,QAQ Testing Mobile No – 8765730630	<b>CHEMICAL</b>						
	<b>DRUGS</b>						
		<b>Tab Glibenclamide</b>					
	161	i) Uniformity of Weight	1 mg to 150 gms.	30 days	NABL	750	
	162	ii) Disintegration	1-60 min		NABL	1500	
	163	iii) Related Substances by TLC	Qualitative Test		NABL	8700	
	164	iv) Uniformity of Content	10 to 150 %		NABL		
		<b>Tab Sulphamethazole &amp; Trimethoprim</b>					
	165	i) Uniformity of Weight	1 mg to 150 gms	30 Days	NABL	750	
	166	ii) Disintegration	1-60 min		NABL	1500	
	167	iii) Identification C by TLC	Qualitative Test		NABL	8700	
	168	iv) Assay	10 to 150 %		NABL	11600	
		<b>Tab Ethophylline &amp; Theophylline</b>					
	169	i) Uniformity of Weight	1 mg to 150 gms		NABL	750	
	170	ii) Disintegration	1-60 min		NABL	1500	
	171	iii) Identification	Qualitative Test		NABL	11600	
	172	iv) Assay	10 to 150 %	NABL	14500		
		<b>Tab Benzthiazide &amp; Triameterene</b>					
	173	i) Uniformity of Weight	1 mg to 150 gms	NABL	750		
	174	ii) Disintegration	1-60 min	NABL	1500		
175	iii) Identification	Qualitative Test	NABL	8700			
176	iv) Assay	10 to 150 %	NABL	11600			
	<b>Tab Ferrous Sulphate</b>						
177	i) Disintegration	1-60 min	NABL	1500			
178	ii) Identification	Qualitative Test	NABL	3000			
179	iii) Assay	10 to 150 %	NABL	5800			

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	<b>DRUGS</b>					
	<b>For All Drugs formulations and Tablets, Capsules, Injectables &amp; Oral powders</b>					
	180	Measurement of pH and all type of titration	1-14	30 Days	Non-NABL	5800
	181	Specific Optical Rotation Of Dextrose Content	As per specification		Non-NABL	3000
	182	Measurement of MP of samples	100-300 °C		Non-NABL	1500
	183	Detection of UV fluorescent spots required for identification of samples	Qualitative Test		Non-NABL	5800
	184	Measurement of turbidity of soln	Qualitative Test		Non-NABL	9000
	185	Spectrophotometric Assay	10 to 150 %		Non-NABL	5800
	186	Volumetric Assay	10 to 150 %		Non-NABL	3000
	187	Identification by Chemical, TLC & Spectrophotometric methods	Qualitative Test		Non-NABL	3000
	188	Net content (Capsule, Oral powders, injectables)	As per specification		Non-NABL	1500
	189	Elements contents	As per specification		Non-NABL	3000
	190	Extractable Volume	As per specification		Non-NABL	1500
	191	Particulate matter	As per specification	Non-NABL		
	<b>BIOLOGICAL</b>					
	<b>DRUGS</b>					
	1	R.W.C of Disinfectants Liquid	3 -- 25	30 Days	Non-NABL	13600
	2	Microbiological Assay (Erythromycin Estolates)	20% -- 150%		Non-NABL	9000

**TESTING FACILITIES AT SQAE(GS), MUMBAI LABORATORIES**

<b><u>NAME OF ESTT WITH ADDRESS, NAME OF NODAL OFFICER &amp; CONTACT NO.</u></b>	<b><u>SER NO.</u></b>	<b><u>TESTING FACILITIES AVAILABLE</u></b>	<b><u>RANGE OF TEST EQPT.</u></b>	<b><u>DURATION OF TEST</u></b>	<b><u>NABL STATUS</u></b>	<b><u>TESTING CHARGES (IN RS.) EXCLUDING TAXES</u></b>
SQAE(GS), DGQA Complex, LBS Marg, Vikhroli(W) Mumbai- 400083  <b>Contact No. 022 - 25784610</b> <b>Nodal Officer:-</b> Col Manish Kumar,SQAO Mob. 9936776699. <b>Email:-sqaegsmum-dgqa@nic.in</b>	<b>TEXTILE LABS ( INCLUDING SAMPLE PREPARATION )</b>					
	1.	Breaking Strength of Woven Fabrics.	0 To 5000N	01 Hr & 40 Min	NABL	2,050.00
	2.	Bursting Strength of fabrics	10 Kg/cm <sup>2</sup> To 70 Kg/cm <sup>2</sup>	30 Min	NABL	650.00
	3.	Determination of Width	Up to 150cm	15 Min	NABL	155.00
	4.	Determination of Thickness of woven/ Knitted fabrics	0 to 50 mm	20 Min	NABL	205.00
	5.	Mass per Unit Area/ Length	Up to 610gm	50 Min	NABL	1025.00
	6.	Determination of Threads per unit of length	Up to 10cm	50 Min	NABL	650.00
	7.	Determination of Dimensional Changes of fabrics on soaking in water	Up to 6 %	26 Hrs	NABL	2050.00
	8.	Determination of shrinkage of socks	Up to 6 %	51 Hrs	NABL	2050.00
	9.	Determination of water repellency by Spray Test	Up to 100 Rating	01 Hr	NABL	650.00
	10.	Absorbency (Wool Cotton)	In Minutes	01 Hr & 40 Min	NON-NABL	1000.00
	11.	Dimensions	In cm	25 Min	NON NABL	250.00
	12.	Neps and Kitties	Visual	01 Hrs	NON NABL	650.00
	13.	Identification of Weave	Visual	20 Min	NON NABL	250.00
	14.	Linear Density of Sewing Thread	In Tex	20 Min	NON NABL	250.00
	15.	Cone Test	Leakage In ml	19 Hrs	NON NABL	650.00
	16.	No of Needles	By Counting In Nos	10 Min	NON NABL	200.00
	17.	No of Rubber Thread	By Counting In Nos	40 Min	NON NABL	250.00
	18.	No of Courses	Up to 10cm	10 Min	NON NABL	500.00
	19.	Heat Shrinkage	Up To 2%	02 Hrs	NON NABL	1000.00
	20.	Separation of Impurities (Cotton Waste)	Separation Manually By Wt	01 Hrs 50 Min	NON NABL	1000.00
	21.	Density of Rubber	Gm/Ccm	02 Hrs	NON NABL	1000.00
22.	Hardness of Rubber	100 ShoreA	01 Hrs	NON NABL	1000.00	

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23.	Low Temp Resistance Test of Rubber (Combat RI Snow Shoes)	Minus 30°C	06 Hrs	NON NABL	5000.00
24.	Ageing Test of Rubber	100	24 Hrs	NON NABL	650.00
25.	Twist of Thread	Visual	30 min	NON NABL	150.00
26.	Tearing Strength	50 Kg	01 Hr 40 Min	NON NABL	1000.00
27.	Tensile Strength	50Kg/Cm <sup>2</sup>	01 Hr 40 min	NON NABL	1000.00
28.	Flexing Test (Ground Sheet)	300 Cycles/Min	05 hrs	NON NABL	6,000.00
29.	Cold Cracking at -50°C(Ground Sheet)	-50 °C	06 hrs	NON NABL	5000.00
30.	Accelerated Ageing of rubber at 70°C	70 °C	168 Hrs	NON NABL	750.00
31.	Water Proof test of Boot Combat	By Wt	10 hrs	NON NABL	750.00
32.	% Composition of binary mixture of polyester & cotton	Up to 95 %	38 hrs	NABL	615.00
33.	pH Value of Aqua Extract	0 to 14	28 Hrs	NABL	250.00
34.	Color fastness to Perspiration Acidic/Alkaline	Visually By Gray Scale Up to Rating 5	17 Hrs	NABL	500.00
35.	Colour fastness to Washing Test No. 1	Visually By Gray Scale Up to Rating 5	16 hrs	NABL	250.00
36.	Colour fastness to Washing Test No. 2	Visually By Gray Scale Up to Rating 5	17 Hrs	NABL	250.00
37.	Colour fastness to Washing Test No. 3	Visually By Gray Scale Up to Rating 5	16 Hrs	NABL	250.00
38.	Colour fastness to Washing Test No. 4	Visually By Gray Scale Up to Rating 5	18 Hrs	NABL	250.00
39.	Color Fastness to Washing Test No. 5	Visually By Gray Scale Up to Rating 5	22 Hrs	NABL	250.00
40.	% Water Soluble Content	Up to 02%	10 Hrs	NON NABL	750.00
41.	% Scouring Loss	Up to 05%	15 Hrs	NON NABL	350.00
42.	% Ash Content	As Per Specifications given	08 Hrs	NON NABL	500.00
43.	Identification of fiber	IS: 667	02 Hrs	NON NABL	250.00
44.	Color Fastness of Dyed Fabric to Rubbing- Dry / Wet	Visually By Gray Scale Up to Rating 5	02 Hrs	NON NABL	300.00
45.	% Oil Content	As Per Specifications given	32 Hrs	NON NABL	500.00

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46.	% Moisture Content	As Per Specifications given	05 Hrs	NON NABL	500.00
47.	% Composition of Cotton Waste	As Per Specifications given	27 Hrs	NON NABL	1000.00
48.	Carbon Black Content %	As Per Specifications given	29 hrs	NON NABL	1200.00
49.	Alcoholic potash Content%	As Per Specifications given	44 Hrs	NON NABL	1200.00
50.	Total Extract of Rubber %	As Per Specifications given	21 hrs	NON NABL	1200.00
51.	Total Sulphur content %	As Per Specifications given	53 Hrs	NON NABL	1200.00
52.	Inorganic sulphur content%	As Per Specifications given	40 Hrs	NON NABL	1200.00
53.	Nitrogen content %	As Per Specifications given	13 Hrs	NON NABL	1500.00
54.	Rubber Hydrocarbon content%	As Per Specifications given	11 Hrs	NON NABL	1500.00
55.	Wool content %	As Per Specifications given	08 Hrs	NON NABL	1000.00
56.	Non wool content woolen felt%	As Per Specifications given	08 Hrs	NON NABL	1000.00
<b><u>GS LAB ( INCLUDING SAMPLE PREPARATION )</u></b>					
57.	Cobbs Test (Water absorption/ Penetration test)	As Per IS: 4006 (Pt-I)& IS : 1060	01 Hrs	NON NABL	600.00
58.	Stress Crack Resistance Test for 01 Ltr HDPE Bottle	As Per IS: 9503 & IS: 9445	24 Hrs	NON NABL	1200.00
59.	Drop test of Container	Up to 05 Ltr	30 Min	NON NABL	500.00
60.	Bursting Strength of Paper	As Per IS: 1060	25 Hrs	NON NABL	650.00
61.	Capacity of Container	By Weight Up to 50 Kg	30 min	NON NABL	250.00

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62.	Handle Pull Test (Drums)	Up to 25 Ltr Drum	30 Hrs	NON NABL	400.00
63.	Closure Leakage test	As Per IS: 9503 & IS: 9445	24 Hrs	NON NABL	250.00
64.	Staining Test for SS	CQA(GS)/US/492	24 Hrs	NON NABL	800.00
65.	Stack load Test	As Per IS: 6312	24 Hrs	NON NABL	400.00
66.	Flap Bend Test	As Per IS: 2771	15 min	NON NABL	250.00
67.	Joint Strength	As Per IS: 2771	15 Min	NON NABL	250.00
68.	Environmental Stress Test	As Per IS: 9503 & IS: 9445	24 Hrs	NON NABL	250.00
69.	Tensile Test of Polythene	0 to 220 Kg	25 Hrs	NON NABL	1000.00
70.	Breaking Strength of Polythene	0 to 220 Kg	25 Hrs	NON NABL	1000.00
71.	Bursting Strength Test of Corrugated Box	15 Kg/cm <sup>2</sup> to 70 Kg/cm <sup>2</sup>	25 Hrs	NON-NABL	650.00
72.	Thickness of Metal Sheet	0.25mm to 25mm	01 Hrs	NABL	250.00
73.	Dimensions	Based on the Specs given	02 Hrs	NABL	200.00
74.	Density of Polythene Film	As Per IS: 2508	01 Hrs	NON NABL	700.00
75.	Nature of material (Zn, Tin, Cu, Polythene)	Qualitative	60 min	NON NABL	800.00
76.	pH (HOT Method)	0 to 14	05 Hrs	NON NABL	750.0
77.	Drying time	IS:101	24 Hrs	NON NABL	1000.00
<b>CHEM TECH ( INCLUDING SAMPLE PREPARATION ) PAINT TEST</b>					
78.	Mass in kg/10 litre	Pyknometer-100 ml	01 Hrs	NABL	350.00
79.	Scratch Hardness	Scratch Hardness Tester- 1.5 kg	04 Days	NON NABL	1200.00
80.	Efflux time	Ford Cup B-4 - 100	02 Hrs	NABL	500.00
81.	Wet Opacity	IS:101	01 Hrs	NON NABL	350.00
82.	Resistance to Petrol Benzol Mixture.	IS:101	08 days	NON NABL	1200.00
83.	Colour.	IS:101	03 days	NABL	1200.00
84.	Flash Point(Abel)	Up to 75°C	06 Hrs	NABL	3,000.00
85.	Water content	Dean & Stark App - 0.5%	02 Hrs	NABL	1,200.00
86.	Protection against Corrosion	Corrosion Oven : 42°C-48°C	12 Days	NON NABL	1,500.00
87.	Resistance to Salt Spray	IS:101	15 Days	NON NABL	3,000.00



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88.	Natural Outdoor Weathering.	IS:101	35 Days	NON NABL	1,500.00
89.	Resistance to Acid & Alkali	IS:101	03 Days	NON NABL	1,200.00
90.	Resistance to Lubricating Oil	Oven 45° C	03 Days	NON NABL	1,200.00
91.	Resistance to Heat	Oven 150° C	03 Days	NON NABL	1,200.00
92.	Finish & Gloss	Glossmeter : 60° Specular Gloss	02 Days	NABL	1,200.00
93.	Flexibility & Adhesion (Bend Test)	IS:101	05 Days	NON NABL	750.00
94.	Accelerated Storage Stability	Oven 60° C	05 Days	NON NABL	1,200.00
95.	Determination of Ba, Cr & Ca Compound	IS:8982	03 Days	NON NABL	3,000.00
96.	Determination of Lead restriction	IS:101	02 Days	NON NABL	1,200.00
97.	Fineness of Grind	Hegmann Scale	01 Hr	NON NABL	650.00
98.	Resistance to Warm Water	IS:101	03 Days	NON NABL	1,000.00
<b>PESTICIDES / INSECTICIDES</b>					
99.	Active Ingredient %	U V Spectrophotometer 200nm-800nm	08 Hrs	NON NABL	8,000.00
100	Weight/ml (Density)	Pyknometer-25 ml	03 Hrs	NON NABL	500.00
101	Acidity or Alkalinity	As per given Specs.	03 Hrs	NON NABL	1,200.00
102	pH	pH Meter	03 Hrs	NON NABL	250.00
103	Flash Point (Abel)	Up to 75°C	06 Hrs	NON NABL	3,000.00
104	Emulsion Stability	IS:6940	05 Hrs	NON NABL	750.00
105	Wetability or Dispersibility Test	IS:6940	01 Hrs	NON NABL	350.00
106	Suspensibility Test	IS:6940	01 Hrs	NON NABL	400.00
107	Sieving Test	IS:6940	02 Hrs	NON NABL	350.00
108	Water Content	Karl Fisher - 5%	03 Hrs	NON NABL	1,200.00
109	Quantity	--	01 Hrs	NON NABL	150.00
110	Consistency	--	30 min	NON NABL	300.00
111	Thermal Stability	Oven Range 0°C- 120°C	26 Hrs	NON NABL	1,200.00

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112	Total Fatty Matter	--	06 hrs	NON NABL	2,500.00
<b>TABLETS-OUT FIT WATER STERILISING</b>					
113	Active Ingredient (Halozone & Thio)	JSS:6040-03	08 hrs	NON NABL	2,400.00
114	Methylene Blue test	JSS:6040-03	08 Hrs	NON NABL	1,200.00
115	Determination of Lead	JSS:6040-03	06 hrs	NON NABL	650.00
116	Water Content	Dean & Stark App - 0.5%	04 Hrs	NON NABL	1,200.00
117	Determination of Arsenic	IS:2088	06 hrs	NON NABL	1,200.00
<b>CHEMICALS</b>					
118	Weight/ml (Density)	Pyknometer-25 ml	03 Hrs	NON NABL	500.00
119	Colour	As per specification	02 Hrs	NON NABL	200.00
120	Non Volatile Matter	As per specification	05 hrs	NON NABL	650.00
121	Melting Point/ Boiling Point	Melting Point Apparatus -250°C	03 Hrs	NON NABL	1,200.00
122	Aldehydes/ Ketones	As per specification	03 Hrs	NON NABL	500.00
123	Heavy Metals	As per specification	03 Hrs	NON NABL	500.00
124	Ash (% by mass)	Furnace 800°C	06 Hrs	NON NABL	500.00
125	pH	pH Meter	04 Hrs	NON NABL	250.00
126	Freezing Point	As per specification	06 Hrs	NON NABL	1,200.00
127	Miscibility with water	As per specification	30 min	NON NABL	250.00
128	Water Content	Karl Fisher -0.5%	02 hrs	NON NABL	1,200.00
129	Quantity	--	01 Hrs	NON NABL	200.00
130	Loss in Weight	As per specification	04 Hrs	NON NABL	300.00
131	Acidity or Alkalinity	As per specification	02 Hrs	NON NABL	1,200.00
132	Assay (% by mass)	As per specification	05 Hrs	NON NABL	1,200.00
133	Chloride	As per specification	04 Hrs	NON NABL	300.00
134	Sulphates	As per specification	04 Hrs	NON NABL	300.00
<b>OILs &amp; FLUIDS</b>					
135	Weight/ml (Density)	Pyknometer-25 ml	02 Hrs	NON NABL	500.00

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136	Ash % by mass	Furnace 800°C	05 Hrs	NON NABL	500.00
137	Loss in Weight	As per specification	06 Hrs	NON NABL	500.00
138	Acidity or Alkalinity	As per specification	04 hrs	NON NABL	1,200.00
139	pH	pH Meter	04 Hrs	NON NABL	250.00
140	Freezing Point	As per specification	06 Hrs	NON NABL	1,200.00
141	Miscibility with water	As per specification	01 Hr	NON NABL	200.00
142	Resistance to Corrosion	As per specification	31 Days	NON NABL	2,400.00
143	Water Content	Karl Fisher - 0.5%	03 hrs	NON NABL	1,200.00
144	Quantity	--	02 Hrs	NON NABL	200.00
<b>GLASS WARES (PETRY DISH/ TEST TUBES &amp; MICRO SCOPE SLIDES/ COVER SLIP); BATTERY ELECTROLYTE MK 1/STILL WATER AUTOMATIC</b>					
145	Dimension	As per specification	02 Hrs	NON NABL	200.00
146	Visual Examination	As per specification	02 Hrs	NON NABL	200.00
147	Autoclave Test	Autoclave Apparatus	06 Hrs	NON NABL	1,200.00
148	Performance Test	As per specification	08 Hrs	NON NABL	600.00
149	Refractive Index	Abeyes Refractometer	02 Hrs	NON NABL	600.00
150.	Alkalinity	As per specification	04 Hrs	NON NABL	300.00
151	Heat Test	As per specification	06 Hrs	NON NABL	300.00
<b>DRUGS LAB ( INCLUDING SAMPLE PREPARATION ) TABLETS</b>					
152	Uniformity Of Weight	IP/BP/USP/Claim	0.5 Hrs	NABL	600.00
153	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NABL	1,200.00
154	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NABL	1,200.00
155	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NABL	1,500.00
156	Disintegration Test	IP/BP/USP/Claim	2.0 Hrs	NABL	600.00

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157	Dissolution Test by UV Spectrophotometer	IP/BP/USP/Claim	25 Hrs	NON NABL	2,400.00
158	Dissolution Test by HPLC method	IP/BP/USP/Claim	30 Hrs	NON NABL	3,000.00
159	Content Uniformity by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	3,000.00
160	Content Uniformity by HPLC method	IP/BP/USP/Claim	8.0 Hrs	NABL	3,500.00
161	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NABL	1,500.00
162	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NABL	2,000.00
163	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NABL	2,400.00
164	Assay by Microbiology method	IP/BP/USP/Claim	54 Hrs	NABL	3,600.00
165	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NABL	1,500.00
166	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
167	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
168	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
169	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
170	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
171	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	600.00
		<b><u>CAPSULE</u></b>			
172	Uniformity Of Weight	IP/BP/USP/Claim	0.5 Hrs	NON NABL	600.00
174	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
175	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
176.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
177	Disintegration Test	IP/BP/USP/Claim	2.0 Hrs	NON NABL	600.00
178	Dissolution Test by UV Spectrophotometer	IP/BP/USP/Claim	25 Hrs	NON NABL	2,400.00

SQAE(GS),  
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LBS Marg, Vikhroli(W) Mumbai-  
400083

**Contact No. 022 - 25784610**

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**Email:-** [sqaegsmum-dgqa@nic.in](mailto:sqaegsmum-dgqa@nic.in)

179	Dissolution Test by HPLC method	IP/BP/USP/Claim	30 Hrs	NON NABL	3,000.00
180	Content Uniformity by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	4,000.00
181	Content Uniformity by HPLC method	IP/BP/USP/Claim	7.5 Hrs	NON NABL	4,000.00
182	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
183	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
184	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
185	Assay by Microbiology method	IP/BP/USP/Claim	55 Hrs	NON NABL	3,600.00
186	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
187	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
188.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
189.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
190.	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
191.	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
192.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	1,200.00
193.	Loss On Drying	IP/BP/USP/Claim	5.0 Hrs	NON NABL	750.00
194.	Water content by Karl Fischer	IP/BP/USP/Claim	2.0 Hrs		1,200.00
<b>INJECTABLE PREPERATIONS</b>					
195	Uniformity Of Weight	IP/BP/USP/Claim	3.0 Hrs	NON NABL	1,200.00
196.	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
197.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
199.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00

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200.	Content Uniformity by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	4,000.00
201.	Content Uniformity by HPLC method	IP/BP/USP/Claim	7.5 Hrs	NON NABL	4,000.00
202.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
203.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
204.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
205.	Assay by Microbiology method	IP/BP/USP/Claim	55 Hrs	NON NABL	3,600.00
206.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
207.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
208.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
209.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
210.	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
211.	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
212.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	1,200.00
213.	Loss On Drying	IP/BP/USP/Claim	5.0 Hrs	NON NABL	750.00
214.	Water Content by Karl Fischer	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
215.	Sterility By Microbiology	IP/BP/USP/Claim	340 Hrs	NON NABL	6,500.00

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		<b>INJECTIONS</b>			
216.	Net Fill Volume	IP/BP/USP/Claim	3.0 Hrs	NON NABL	1,200.00
217.	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
218.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
219.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
220.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
221.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
222.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
223.	Assay by Microbiology method	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
224.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
225.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
226.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
227.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
228.	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
229.	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
230.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	1,200.00

<p>SQAE(GS), DGQA Complex, LBS Marg, Vikhroli(W) Mumbai- 400083</p> <p><b>Contact No. 022 - 25784610</b> <b>Nodal Officer:-</b> Col Manish Kumar,SQAO Mob. <b>9936776699.</b> <b>Email:-sqaegsmum-dgqa@nic.in</b></p>	231	Sterility By Microbiology	IP/BP/USP/Claim	340 Hrs	NON NABL	6,500.00
	<b>EYE/EAR DROPS</b>					
	232	Net Fill Volume	IP/BP/USP/Claim	3.0 Hrs	NON NABL	1,200.00
	233.	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
	234.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
	235.	Identification by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
	236.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
	237.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
	238	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
	239.	Assay by Microbiology method	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
	240.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
	241.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
	242.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
	243.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
	244.	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
	245.	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
	246.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	1,200.00
	247	Sterility By Microbiology	IP/BP/USP/Claim	340 Hrs	NON NABL	6,500.00
	<b>ORAL LIQUIDS/GELS</b>					
	248.	Net Fill Volume	IP/BP/USP/Claim	3.0 Hrs	NON NABL	1,200.00
	249	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs		1,200.00



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250.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
251.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
252.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
253.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
254.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
255.	Assay by Microbiology method	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
256.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
257.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
258.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
259.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
260.	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
261.	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
262.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	750.00
263	Microbiological Limit Tests by Microbiology	IP/BP/USP/Claim	145 Hrs	NON NABL	3,600.00
<b>ORAL SUSPENSIONS</b>					
264	Uniformity Of Weight	IP/BP/USP/Claim	3.0 Hrs	NON NABL	750.00
265	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
266	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
267	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
268.	Content Uniformity by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	4,000.00
269.	Content Uniformity by HPLC method	IP/BP/USP/Claim	7.5 Hrs	NON NABL	4,000.00
270.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00

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271.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
272.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
273.	Assay by Microbiology method	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
274.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
275.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
276.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
277.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
278.	Limit Test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
279.	Limit Test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
280.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	750.00
281.	Loss On Drying	IP/BP/USP/Claim	5.0 Hrs	NON NABL	750.00
282.	Water content by Karl Fischer	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
283.	Microbiological Limit Test	IP/BP/USP/Claim	145 Hrs	NON NABL	3,600.00
<b>CREAM &amp; OINTMENTS</b>					
284.	Net Fill Volume	IP/BP/USP/Claim	3.0 Hrs	NON NABL	1,200.00
285.	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
286.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
287.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
288.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
289.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
290.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
291.	Assay by Microbiology method	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
292.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00

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293.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
294.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
295.	Limit test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
296.	Limit test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
297.	Limit test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
298.	Physical Observation	IP/BP/USP/Claim	2.5 Hrs	NON NABL	750.00
299.	Microbiological Limit Tests	IP/BP/USP/Claim	145 Hrs	NON NABL	3,600.00
300.	Sterility By Microbiology	IP/BP/USP/Claim	340 Hrs	NON NABL	6,500.00
<b>MEDICATED GAUZE OR TULLE</b>					
301.	Uniformity Of Weight	IP/BP/USP/Claim	3.0 Hrs	NON NABL	1,200.00
302.	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
303.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
304.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
305.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
306.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
307.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
308.	Assay by Microbiology	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
309.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
310.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
311.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
312.	Limit Test by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
313.	Limit test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00

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314.	Limit test by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
316.	Microbiological Limit Tests	IP/BP/USP/Claim	145 Hrs	NON NABL	3,600.00
317.	Sterility By Microbiology	IP/BP/USP/Claim	340 Hrs	NON NABL	6,500.00
<b><u>SURGICAL SUTURE</u></b>					
318.	Physical Test	IP/BP/USP/Claim	3.0 Hrs	NON NABL	300.00
	i) Total Length				
319.	ii) Thickness	IP/BP/USP/Claim	3.0 Hrs	NON NABL	300.00
320.	iii) Breaking Strength	IP/BP/USP/Claim	3.0 Hrs	NON NABL	2,050.00
321.	iv) Capillary Test	IP/BP/USP/Claim	6.0 Hrs	NON NABL	1,200.00
322.	Chemical Test	IP/BP/USP/Claim	7.0 Hrs	NON NABL	1,500.00
323.	Sterility By Microbiology	IP/BP/USP/Claim	340 Hrs	NON NABL	6,500.00
<b><u>DIS-INFECTANT FLUID</u></b>					
324.	Net Fill Volume	IS : 1061 : 1982	3.0 Hrs	NON NABL	750.00
325.	Stability Test	IS : 1061 : 1982	80.0 Hrs	NON NABL	750.00
326.	Emulsion Test	IS : 1061 : 1982	27.0 Hrs	NON NABL	500.00
327.	Readal-Walker Co-efficient	IS : 1061 : 1982	234.0 Hrs	NON NABL	3,600.00
328.	Staphylococcus aureous Assay	IS : 1061 : 1982	234.0 Hrs	NON NABL	3,600.00
<b><u>ORAL REHYDRATION POWDER</u></b>					
329.	Uniformity of Weight	IP/BP/USP/Claim	3.0 Hrs	NON NABL	750.00
330.	Assay By Flame Photometer	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
331.	Specific Optical Rotation	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,000.00
332.	Identification by Chemical	IP/BP/USP/Claim	1.0 Hrs	NON NABL	1,200.00
333.	Identification by Flame Photometer	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00

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**INTRAVENOUS INJECTION**

334.	Net Fill Volume	IP/BP/USP/Claim	3.0 Hrs	NON NABL	750.00
335.	Identification by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,200.00
336.	Identification by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
337.	Identification by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
338.	Assay by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
339.	Assay by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
340.	Assay by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
341.	Assay by Microbiology	IP/BP/USP/Claim	54 Hrs	NON NABL	3,600.00
342.	Related Substances by Chemical method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,500.00
343.	Related Substances by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
344.	Related Substances by HPLC method	IP/BP/USP/Claim	4.0 Hrs	NON NABL	2,400.00
345.	Limit test by Chemical method	IP/BP/USP/Claim		NON NABL	1,500.00
346.	Limit test by UV Spectrophotometer method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,800.00
347.	Limit test by HPLC method	IP/BP/USP/Claim	2.0 Hrs	NON NABL	2,400.00
348.	Physical Observation	IP/BP/USP/Claim	4.0 Hrs	NON NABL	1,200.00
349.	Sterility by Microbiology	IP/BP/USP/Claim	2.5 Hrs	NON NABL	6,500.00
350.	Specific Optical Rotation	IP/BP/USP/Claim	2.0 Hrs	NON NABL	1,000.00

**POL LAB ( INCLUDING SAMPLE PREPARATION )**

**ENGINE OIL**

351	Kinematic Viscosity at 40°C	10cSt - 170cSt	4.0 Hrs	NABL	1,500.00
352	Kinematic Viscosity at 100°C	1.5cSt - 24cSt	4.0 Hrs	NABL	1,500.00
353	Flash Point (COC)	IS :1448 (79°C - 300°C)	1.5 Hrs	NABL	1,800.00
354	Pour Point	IS :1448 (+20°C to -45°C)	6.0 Hrs	NABL	6,000.00

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355	Sulphated Ash	IS :1448	2.5 Hrs	NON NABL	1,500.00
<b><u>GEAR OIL</u></b>					
356	Kinematic Viscosity at 40°C	IS :1448 10cSt-170cSt	4.0 Hrs	NABL	1,500.00
357	Kinematic Viscosity at 100°C	IS :1448 1.5cSt-24.0cSt	4.0 Hrs	NABL	1,500.00
358	Flash Point (COC)	IS :1448 (79°C - 300°C)	1.5 Hrs	NABL	1,800.00
359	Pour Point	IS :1448 (+20°C t0 - 45°C)	6.0 Hrs	NABL	6,000.00
360	Sulphated Ash	IS :1448	4.0 Hrs	NON NABL	1,500.00
<b><u>TRANSMISSION FLUID</u></b>					
361	Sulphated Ash	IS :1448	4.0 Hrs	NON NABL	1,500.00
362	Rust Preventive Test	IS :1448	25 Hrs	NON NABL	2,400.00
<b><u>HYDRAULIC BREAK FLUID</u></b>					
363	Resistant to Oxidation	IS : 8654 : 2001	240 Hrs	NON NABL	3,600.00
364	Loss on Evaporation	IS : 8654 : 2001	170 Hrs	NON NABL	2,400.00
365	Corrosion Test	IS : 8654 : 2001	200 Hrs	NON NABL	3,600.00
366	Rubber cup Test	IS : 8654 : 2001	07 Hrs	NON NABL	1,500.00
367	pH	IS : 8654 : 2001	02 Hrs	NON NABL	750.00
<b><u>GREASE</u></b>					
368	Melting Point	IS :1448	3.0 Hrs	NON NABL	1,200.00
369	Thermal Stability	IS :1448	34.0 Hrs	NON NABL	1,200.00
370	Free Acidity & Alkalinity	IS :1448	2.0 Hrs	NON NABL	1,800.00
371	Oil Separation	IS :1448	200 Hrs	NON NABL	1,500.00
372	Penetration No.	IS :1448	4.0 Hrs	NON NABL	1,200.00
373	Sulphated Ash	IS :1448	4.0 Hrs	NON NABL	1,500.00
374	Water absorbing Capacity	IS :1448	1.0 Hrs	NON NABL	650.00
375	Copper strip Corrosion	IS :1448	3.0 Hrs	NON NABL	500.00

<p>SQAE(GS), DGQA Complex, LBS Marg, Vikhroli(W) Mumbai- 400083</p> <p><b>Contact No. 022 - 25784610</b> <b>Nodal Officer:-</b> Col Manish Kumar,SQAO Mob. <b>9936776699.</b> <b>Email:-sqaegsmum-dgqa@nic.in</b></p>	376	Drop Point	IS :1448	3.0 Hrs	NON NABL	1,200.00	
		<b><u>PROTECTIVE</u></b>					
	377	Drop Point	IS :1448	3.0 Hrs	NON NABL	1,200.00	
	378	Melting Point	IS :1448	3.0 Hrs	NON NABL	1,200.00	
	379	Penetration No.	IS :1448	4.0 Hrs	NON NABL	1,200.00	
	380	Sulphated Ash	IS :1448	4.0 Hrs	NON NABL	1,500.00	
	381	Volatile Matter	IS :1448	2.0 Hrs	NON NABL	1,200.00	
		<b><u>PROTECTIVE OIL</u></b>					
	382	Oleic Acid	IS :1448 /IP	3.0 Hrs	NON NABL	1,200.00	
	383	Triethanol Amine	IS :1448/IP	3.0 Hrs	NON NABL	1,200.00	
	384	Copper strip Corrosion	IS :1448	50.0 Hrs	NON NABL	500.00	
	385	Rust Preventive	IS :1448	25 Hrs	NON NABL	2,400.00	
	386	Emulsion Characteristic	IS :1448	3.0 Hrs	NON NABL	750.00	

**TESTING FACILITIES AT SQAE(GS), CHENNAI LABORATORIES**

NAME OF THE ESTT WITH ADDRESS, NAME & CONTACT NO. OF NODAL OFFICER	SL. NO.	TEST FACILITIES AVAILABLE	RANGE OF TEST EQUIPMENT	DURATION OF TEST (MINUTES)	NABL STATUS	TESTING CHARGES (IN RS.)
<b>SQAE(GS) Laboratory, Pazhavanthangal PO, Minambakkam, Chennai-600 114. Contact details Landline: 044-22340435 044-22340281 E-mail : <a href="mailto:sqaegschndgqa@nic.in">sqaegschndgqa@nic.in</a>  Nodal Officer: Lt Col Nibir Gogoi, QAO Mobile No. 94353 87370</b>	1	Disintegration Test – Disintegration Test Apparatus	As per IP/BP/USP	120	NON-NABL	275
	2	pH Value – pH Meter	1 - 14 pH	15	NON-NABL	317
	3	Identification, Related Substance & Assay - HPLC Test Apparatus	As per IP/ BP/ USP/ IS/ ASTM	1080	NON-NABL	28,860
	4	Thin Layer Chromatography Test – TLC Plate, TLC Tank & Reagent Solution	As per IP/BP/USP	240	NON-NABL	3622
	5	Moisture Content Of Sample – Karl Fisher Titrator	As per IP/ BP/ USP/ IS/ ASTM	60	NON-NABL	1753
	6	Dissolution Test - Dissolution Test Apparatus	As per IP/BP/USP	360	NON-NABL	12,622
	7	Male Condom Burst Volume & Burst Pressure After Ageing - Hot Air Oven	0°C to 70°C	40	NABL	310
	8	Male Condom Burst Volume & Burst Pressure Before Ageing - Computerized Inflation Tester	5-70 ltrs; 0-10.6 Kg/cm <sup>2</sup>	157	NABL	1217
	9	Male Condom Water Leakage Test A)Water Leakage Tester B)Measuring Cylinder C)Stop Watch	a) NA b) 500 ml c) 01 Hr	90	NABL	698
	10	Male Condom Package Integrity Test A)Package Integrity Tester B) Pressure Gauge C) Stop Watch	a) NA b) -760 to 0 mmHg c) 01 Hr	5	NABL	39
	11	Male Condom-Dimension Length -Condom Length Measuring Device	140 - 210 mm	5	NABL	39
	12	Male Condom-Dimension Width -Condom Width Measuring Device	0 - 300 mm	5	NABL	39
	13	Male Condom-Dimension Wall Thickness - Thickness Gauge	0 to 1 mm	5	NABL	39
	14	Male Condom Quantity of Lubricant - Weighing Balance	0 to 210 gm	52	NABL	1077
	15	Color Fastness of Male Condom	Not required	5	NABL	39
	16	Plastic Slide Fastener - Visual Examination - Visual	Not required	60	NABL	465
	17	Conditioning of Testing Samples - Environmental Chamber	Temp 10°C to 50°C; RH 10% to 85%	As specified	NABL	Included in test parameters
	18	Plastic Slide Fastener - Length of Fastener - Meter Scale	0 - 2000 mm	90	NABL	698



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	20	Plastic Slide Fastener - Textile Chain Width A) Digital Calliper B) Digimatic Caliper	a) 0 - 300 mm b) 0 - 150 mm	50	NABL	354
	21	Plastic Slide Fastener - Puller Length - Dial Caliper	0 - 300 mm	35	NABL	255
	22	Plastic Slide Fastener - Tape Extension - Meter Scale	0 - 2000 mm	30	NABL	233
	23	Plastic Slide Fastener - Diameter of Monofilament - Dial Caliper	0 - 300 mm	40	NABL	277
	24	Plastic Slide Fastener - Tape Width - Meter Scale	0 - 2000 mm	35	NABL	255
	25	Plastic Slide Fastener - Security Attachment of Puller to Slider - Tensile Strength Tester	0 - 250 N ; 0 - 1000 N	40	NABL	310
	26	Plastic Slide Fastener - Fold Over Security Of Textile Chain - Tensile Strength Tester	0 - 2500 N	40	NABL	310
	27	Plastic Slide Fastener- Resistance To Heat - Heat Tester	Ambient Temp to 170°C; No. of cycles: 0 -250	80	NON NABL	620
	28	Plastic Slide Fastener Resistance To Abrasion - Abrasion Tester	No. of cycles 0-150; 0 - 200; 0-250	60	NON NABL	465
	29	Plastic Slide Fastener Reciprocating Movement of Slider - Reciprocating Movement Tester	No. of cycles 0-99999	120	NON NABL	930
	30	Plastic Slide Fastener Remeshability of Fastener - Scissor	NA	15	NON NABL	116
	31	Plastic Slide Fastener Security Attachment of Top And Bottom Stop - Tensile Strength Tester	0 - 250 N	20	NON NABL	155
	32	Plastic Slide Fastener Security of Slider Lock Holding- Tensile Strength Tester	0 - 1000 N	40	NON NABL	310
	33	Plastic Slide Fastener Security of Interlocking of Textile Chain To Lateral Load - Tensile Strength Tester	0 - 2500 N	60	NON NABL	465
	34	Plastic Slide Fastener Construction of Tape – a) Pick Glass b) Balance c) Meter Scale	a) NA b) 0 - 210 gm c) 0 - 2000 mm	40	NON NABL	277
	35	Plastic Slide Fastener Construction of Lace – a) Balance b) Meter Scale c) Travelling Microscope	a) NA b) 0 - 210 gm c) 0 - 2000 mm	35	NON NABL	255
	36	Plastic Slide Fastener-Identification of Material - Chemicals & Reagents	NA	25	NON NABL	1787
37	Textile Sample-Colour Fastness To Washing - Launderometer	0°C - 90°C as per IS/ISO	130	NON NABL	974	
38	Textile Sample - Colour Fastness to Perspiration - Perspirometer	5000gm as per ISO or 10 lbs as per AATC	95	NON NABL	720	

<b>SQAE(GS) Laboratory,</b> <b>Pazhavanthangal PO,</b> <b>Minambakkam,</b> <b>Chennai-600 114.</b> <b>Contact details</b> <b>Landline: 044-22340435</b> <b>044-22340281</b> <b>E-mail : <a href="mailto:sqaegschndgga@nic.in">sqaegschndgga@nic.in</a></b>  <b>Nodal Officer:</b> <b>Lt Col Nibir Gogoi, QAO</b> <b>Mobile No. 94353 87370</b>	39	Mass per Unit Length And Mass Per Unit Area Of Any Fabric a) Meter Scale b) Weighing Balance c) GSM Cutter	a) 0 - 2000mm b) 0 - 210 gm c) 0 - 5 Kg	1530	NON NABL	383
	40	Threads per Unit Length a) Meter Scale b) Counting Glass	a) 0 - 300 mm b) 0 - 01 inch	1560	NON NABL	200
	41	Breaking Strength & Elongation at Break a) Computerised Tensile Tester b) Fabric Strength Tester c) Tensile Strength Tester d) Yarn Tensile Strength Tester	a) 0 - 100N, 0 - 500N, 0 - 1000N & 0 - 2500N b) 0 - 250 Kg c) 0 - 250N, 0 - 1000N & 0 - 2500N d) 0 - 3Kg, 0 - 15Kg & 0 - 75Kg	1590	NON NABL	638
	42	Dimensional Change of Woven Fabric Except Woollen Product a) Shrinkage Test Apparatus b) Meter Scale	a) 600mm x 600mm b) 0 - 1000mm	1800	NON NABL	411
	43	Water Repellence of Fabric By Water Spray Test – Spray Rating Tester	250 ml per z5 to 30 sec	60	NON NABL	234
	44	Length Per Unit Weight of Sewing Thread a) Wrap Wheel b) Weighing Balance	a) 1 – 100 gm b) 0 – 210 gm	60	NON NABL	200
	45	Ph Value of Aqueous Extract of Textile Material pH Meter	1 - 14	300	NON NABL	600
	46	Scouring Loss of Grey & Finished Cotton Textile Material a) Chemical Reagents b) Drying Oven c) Weighing Balance	a) NA b) 0 - 250°C c) 0 - 210 gm	360	NON NABL	710

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	47	Kinematic Viscosity - Kinematic Viscometer Bath (Oil)	Kinematic Viscosity at 100°C	120	NON NABL	937
	48	Kinematic Viscosity - Kinematic Viscometer Bath (Water)	Kinematic Viscosity at 40°C	120	NON NABL	937
	49	Penetration - Penetrometer a) Penetrometer Worked b) Penetrometer Worked	a) 01 – 400 unit b) 01 – 400 unit	480	NON NABL	1990
	50	Flash Point – Flash Point Apparatus(°C) (Abel Cup)	Ambient Temperature to 70°C	60	NON NABL	825