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ACCREDITED TESTING SCOPE				
BIOTECHNOLOGY LABORATORY UNIT MICROBIOLOGY				
S/N	Standard Operating Procedures (SOP) /reference or Standard Methods	Parameters	Components if applicable	Matrix (product name)
1.	NQTLTD/ MIC/ SOP-1 equivalent to ISO 6222	Total Viable Count		Water
2.	NQTLTD/ MIC/SOP-4 equivalent to ISO 9308-1	Total coliforms		
	NQTLTD/ MIC/ SOP-4 equivalent to ISO 9308-1	Escherichia coli		
3.	NQTLTD/ MIC/ SOP-13 equivalent to ISO16266	Pseudomonas aeruginosa		
4.	NQTLTD/ MIC/SOP-2 equivalent to ISO 4833-1	Total viable counts		Food, feed and environmental samples Food, feed and environmental samples
5.	NQTLTD/ MIC/ SOP-SOP-3 equivalent to ISO 4832	Total coliforms		
6.	NQTLTD/ MIC/ SOP-8 equivalent to ISO 16649-1	Escherichia coli		
7.	NQTLTD/ MIC/ SOP-10 equivalent to ISO 6579	Salmonella spp		
8.	NQTLTD/ MIC/ SOP-12 equivalent to ISO 6888-1	Coagulase-positive staphylococci (Staphylococcus aureus and other species)		
9.	NQTLTD/ MIC/ SOP-20-part 2 equivalent to ISO 11290-2	Listeria monocytogenes (detection)		Food, feed and environmental samples with Greater water activity than 0.95
10.	NQTLTD/ MIC/ SOP-5 equivalent to ISO 21527-1	Yeasts &Moulds		
11.	NQTLTD/ MIC/ SOP-6 equivalent to ISO 21527-2	Yeasts &Moulds		Food, feed and environmental samples with water activity Less than0.95
12.	NQTLTD/ MIC/ SOP- equivalent to ISO 661	Yeasts &Moulds		Milk and milk Products

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CHEMICAL LABORATORIES UNIT –FOODAGRICUTURE& MYCOTOXIN LABORATORIES				
S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
1.	NQTLTD/FAL/SOP-2 equivalent to ISO 712-1	Moisture content, gravimetry		Wheat flours
2.	NQTLTD/FAL/SOP3- equivalent to ISO 2171	Total ash, gravimetry		
3.	NQTLTD/FAL/SOP-6 equivalent to ISO 11085	Crude fat content, gravimetry		
4.	NQTLTD/FAL/SOP-5 equivalent to ISO20483	Crude protein content, Kjeldahl method		Maize and wheat flours
5.	NQTLTD/FAL/SOP-43 in house method	Determination of Aflatoxin B1 and Total aflatoxin; HPTLC		Maize flour
CHEMICAL LABORATORIES UNIT-INORGANIC CHEMISTRY				
1.	NQTLTD/ICH/SOP-15 equivalent to ISO 10523	Determination of pH; potentiometry		Potable, drinking and mineral water
2.	NQTLTD/ICH/SOP-18 equivalent to ISO 6320	Determination of refractive index; refractometry		Sunflower oil
CHEMICAL LABORATORIES UNIT-ORGANIC CHEMISTRY				
1.	NQTLTD/OCH/SOP-11 equivalent to ISO 673	Determination of content of ethanol-insoluble matter, filtration and weighing (gravimetry)		Soap and soap products
2.	NQTLTD/OCH/SOP-20 in house method	Determination of ethanol content; Fourier Transform Infra-red (FTIR)		Wines (8-17% ethanol)
MATERIAL TESTING LABORATORIES UNIT-BUILDING MATERIAL LABORATORY				
1.	NQTLTD/MTLU/BML/SOP-13 in accordance to RS EAS 148-1	Determination of cement compressive strength; compression test method		Cement
2.	NQTLTD/MTLU/BML/SOP-17 in accordance to ISO 2178	Determination of metal coating thickness; magnetic method		Non-magnetic coatings on magnetic substrates
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT- MECHANICAL AND METALLURGY LABORATORY				
3.	NQTLTD/MTLU/DMT/SOP-1 in accordance to ISO 6892-1 method A224	Determination of yield strength (REH), Tensile strength (Rm), stress ratio (Rm/ReH), Elongation after fracture (A), cross section area (SO) and mass per meter, tensile test method A224	bar diameter 6mm bar diameter 10mm bar diameter 14mm bar diameter 16mm bar diameter 20mm bar diameter 25mm bar diameter 32mm and above	Steel rebar
MATERIAL TESTING LABORATORIES UNIT-ELECTRICAL & ELECTRONICS LABORATORY				
1.	NQTLTD/MTLU/NDT/SOP-2 in accordance to IEC 63294	Determination of electrical conductor resistance		Electrical cable conductor

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NON-ACCREDITED TESTING SCOPE				
SCOPE OF TESTING IN BIOTECHNOLOGY LABORATORY UNIT MICROBIOLOGY				
S/N	Standard Operating Procedures (SOP) /reference or Standard Methods	Parameters		Matrix (product name)
1.	NQTLTD/ MIC/ SOP-9 equivalent to ISO 19250	Salmonella spp		Water
2.	NQTLTD/ MIC/ SOP-15 In accordance with ISO7899	Intestinal enterococci/ Enterococcus faecalis		
3.	NQTLTD/MIC.SOP-21, equivalent to ISO 7937: 2004	Horizontal method for enumeration of Clostridium perfringens		
4.	NQTLTD/ MIC/ SOP-22 equivalent to ISO14189	Clostridium perfringens		
5.	NQTLTD/ MIC/ SOP- equivalent to ISO 21528- 2	Enterobacteriaceae		Food, feed and environmental samples Food, feed and environmental samples
6.	NQTLTD/ MIC/ SOP-17 equivalent to 21872-1	Vibrio parahaemolyticus		
7.	NQTLTD/ MIC/ SOP-17 equivalent to 21872-1	Vibrio cholerae		
8.	Equivalent to ISO15213	Sulfite reducing anaerobes		
9.	NQTLTD/ MIC/ SOP-18 equivalent to ISO 21567	Shigella ssp		
10.	NQTLTD/ MIC/ SOP-19 equivalent to ISO 10272-1	Campylobacter spp		
11.	NQTLTD/ MIC/ SOP-20 Part1 equivalent to ISO 11290-1	Listeria monocytogenes (enumeration)		
12.	NQTLTD/ MIC/ SOP-21 equivalent to ISO7939	Clostridium perfringens		
13.	NQTLTD/ MIC/ SOP-22 equivalent to ISO14189	Clostridium perfringens		Cosmetic products
14.	NQTLTD/ MIC/ SOP-16 equivalent to ISO22717	Pseudomonas aeruginosa		
15.	NQTLTD/MIC/SOP-28 equivalent to ISO 21149	Aerobic mesophilic bacteria		
16.	NQTLTD/MIC/SOP-27 equivalent to ISO 22718	Staphylococcus aureus		
17.	NQTLTD/MIC/SOP-26	Candida albicans		
SCOPE OF TESTING IN CHEMICAL LABORATORIES UNIT –FOODAGRICUTURE& MYCOTOXIN LABORATORIES				
1.	NQTLTD/FAL/SOP-7	Moisture content		Tea and tea products
2.	NQTLTD/FAL/SOP-7	Dry matter		
3.	NQTLTD/FAL/SOP-8	Total ash content		
4.	NQTLTD/FAL/SOP-10	Acid insoluble ash		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
5.	NQTLTD/FAL/SOP-12	Water soluble ash		Tea and tea products
6.	NQTLTD/FAL/SOP-13	Alkalinity of water-soluble ash		
7.	NQTLTD/FAL/SOP-11	Water extract		
8.	NQTLTD/FAL/SOP-9	Crude fiber		
9.	NQTLTD/FAL/SOP-14	Moisture content		
10.	NQTLTD/FAL/SOP-15	Total ash		Coffee and coffee products
11.	NQTLTD/FAL/SOP-16	Acid insoluble ash		
12.	NQTLTD/FAL/SOP-18	Alkalinity of water soluble ash		
13.	NQTLTD/FAL/SOP-19	Petroleum ether extract		
14.	NQTLTD/FAL/SOP-33	Ochratoxin-A		
15.	NQTLTD/FAL/SOP-45	Caffeine		
16.	NQTLTD/FAL/SOP-17	Water soluble matter		
17.	RS EAS 43	Moisture content		Bread
18.	RS EAS 43	pH of aqueous extract		
19.	RS EAS 43	Acid insoluble ash		
20.	NQTLTD/FAL/SOP-9	Crude fiber		
21.	NQTLTD/FAL/SOP-6	Fat content		
22.	NQTLTD/FAL/SOP-1	Aflatoxin (B1, B2, G1 &G2)		
23.	ISO 7301	Head rice		Rice
24.	ISO 7301	Broken rice		
25.	ISO 7301	Damaged rice		
26.	ISO 7301	Chalky		
27.	ISO 7301	Red or red streaked		
28.	ISO 7301	Organic matters		
29.	ISO 7301	Inorganic matters		
30.	ISO 7301	Paddy grain		
31.	NQTLTD/FAL/SOP-38	Moisture content		
32.	ISO 7301	Live weevils		
33.	ISO 7301	Filth		
34.	NQTLTD/FAL/SOP-1	Aflatoxin (B1, B2, G1&G2)		
35.	GEA Niro A9a	Fat content		Milk powder
36.	NQTLTD/FAL/SOP-5	Protein content		
37.	GEA Niro A 1 b	Total solid		
38.	GEA Niro A 25 a	Total ash		
39.	GEA Niro A1b	Moisture content		
40.	GEA Niro A3a	Insolubility index		
41.	GEA Niro A19a	Titrateable acidity		
42.	AoAC 980	Aflatoxin M1		
43.	NQTLTD/FAL/SOP-24	Fat content		Fresh milk
44.	NQTLTD/FAL/SOP-24	Total solid		
45.	NQTLTD/FAL/SOP-24	Freezing point depression		
46.	NQTLTD/FAL/SOP-24	Lactose		
47.	NQTLTD/FAL/SOP-24	Protein content		

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48.	RS 38	pH		Fresh milk
49.	NQTLTD/FAL/SOP-24	Solid non-fat		
50.	NQTLTD/FAL/SOP-24	Acidity		
51.	ISO 26323	pH variation		
52.	AOAC 952.21	Foreign matters		
53.	AOAC 980.21	Aflatoxin M1		
54.	AOAC 970.5	Titrateable acidity		
55.	NQTLTD/FAL/SOP-38	Moisture content		Maize grains
56.	ISO 605	Foreign matter		
57.	ISO 605	Inorganic matter		
58.	ISO 605	Broken grains		
59.	ISO 605	Rotten and diseased grains		
60.	ISO 605	Total defective grains		
61.	ISO 605	Live weevils		
62.	ISO 605	filth		Dry beans
63.	NQTLTD/FAL/SOP-43	Aflatoxin (B1, B2, G1&G2)		
64.	NQTLTD/FAL/SOP-38	Moisture content		
65.	NQTLTD/FAL/SOP-38	Moisture content		
66.	NQTLTD/FAL/SOP-39	Crude ash		
67.	NQTLTD/FAL/SOP-4	Acid insoluble ash		
68.	NQTLTD/FAL/SOP-42	Crude fibers		
69.	AOAC 996.11	Starch		Cassava flour and ground cassava
70.	NQTLTD/FAL/SOP-1	Aflatoxin (B1, B2, G1&G2)		
71.	NQTLTD/ICH/SOP-30	Hydrogen cyanide (HCN)		
72.	NQTLTD/FAL/SOP-38	Moisture content		
73.	NQTLTD/FAL/SOP-8	Total ash		
74.	NQTLTD/FAL/SOP-4	Acid insoluble ash		
75.	NQTLTD/FAL/SOP-42	Fiber content		
76.	NQTLTD/FAL/SOP-41	Fat content		Processed cereals(flour)
77.	NQTLTD/FAL/SOP-40	protein		
78.	RS 268:2007	Granularity		
79.	AOAC 996.11	Starch		
80.	AOAC 986.25	Total carbohydrates		
81.	NQTLTD/FAL/SOP-1	Aflatoxin (B1, B2, G1&G2)		
82.	NQTLTD/FAL/SOP-50	Moisture content		Animal feeds
83.	NQTLTD/FAL/SOP-39	Crude ash		
84.	NQTLTD/FAL/SOP-4	Acid insoluble ash		
85.	NQTLTD/FAL/SOP-53	Crude fiber		
86.	NQTLTD/FAL/SOP-51	Crude fat		
87.	NQTLTD/FAL/SOP-52	Crude protein		
88.	ISO 12099	Total carbohydrates		
89.	NQTLTD/FAL/SOP-1	Aflatoxin (B1,B2,G1&G2)		Biscuits
90.	NQTLTD/FAL/SOP-20	Moisture content		

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91.	NQTLTD/FAL/SOP-21	Acid insoluble ash		Biscuits
92.	NQTLTD/FAL/SOP-38	Moisture content		Macadamia kernels
93.	NQTLTD/FAL/SOP-38	Total ash		
94.	NQTLTD/FAL/SOP-40	Oil content		
95.	RS 170	Shrunken and shriveled kernels		
96.	RS 170	Mouldy kernels		
97.	RS 170	Rotten and insects damaged		
98.	ISO 605	Live insects		
99.	ISO 605	Foreign matters		
100.	NQTLTD/FAL/SOP-1	Aflatoxins B1, B2, G1 and G2		
101.	NQTLTD/FAL/SOP-38	Moisture content		Groundnuts
102.	ISO 605	Damaged kernels		
103.	ISO 605	Other defects		
104.	EAS 46	Unshelled kernels		
105.	EAS 46	Total defectives kernels		
106.	EAS 46	Foreign matter		
107.	ISO 659	Oil content		
108.	NQTLTD/FAL/SOP-1	Aflatoxins B1, B2, G1 and G2		
109.	NQTLTD/FAL/SOP-38	Moisture content		Tofu
110.	ISO 659	Crude fat		
111.	NQTLTD/FAL/SOP-5	Crude protein		
112.	NQTLTD/FAL/SOP-28	Moisture		Urea
113.	NQTLTD/FAL/SOP-40	Nitrogen		
114.	AOAC 955.03	Ash		
115.	RS 71	pH		
116.	NQTLTD/FAL/SOP-28	Moisture		NPK
117.	NQTLTD/FAL/SOP-40	Nitrogen		
118.	KS 157:1998	Phosphorus		
119.	NQTLTD/ICH/SOP-16	Potassium		
120.	RS 71	pH		
121.	NQTLTD/FAL/SOP-50	Formaldehyde		Fresh fish and beef
122.	NQTLTD/FAL/SOP-28	Moisture		Calcium ammonium
123.	NQTLTD/FAL/SOP-40	Nitrogen		Potassium chloride (MOP)
124.	NQTLTD/FAL/SOP-28	Moisture		
125.	NQTLTD/ICH/SOP-16	Potassium		
126.	RS 71	pH		DAP/MAP
127.	NQTLTD/FAL/SOP-28	Moisture		
128.	NQTLTD/FAL/SOP-40	Nitrogen		
129.	AOAC 969.02	phosphorus		
130.	RS 71	pH		Compost/organic manure
131.	NQTLTD/FAL/SOP-28	Moisture		
132.	NQTLTD/FAL/SOP-40	Nitrogen		
133.	AOAC 969.02	Phosphorus		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ If applicable	Matrix (product name)
134.	NQTLTD/ICH/SOP-16	Potassium		Compost/organic manure
135.	RS 73:2013	Organic matters		
136.	RS 73:2013	C/N ratio		
137.	RS 71:2007	pH		
SCOPE OF TESTING IN CHEMICAL LABORATORIES UNIT-INORGANIC CHEMISTRY				
1.	NQTLTD/ICH/SOP-15	pH		Physical and chemical parameters in water
2.	TDS/CONDUCTIVITY METER	Total Dissolved Solids (TDS)		
3.	NQTLTD/ICH/SOP-22	Total Hardness		
4.	NQTLTD/ICH/SOP-29	Turbidity		
5.	EPA Methods 310.1	Alkalinity		
6.	NQTLTD/ICH/SOP-28	Electrical conductivity		
7.	NQTLTD/ICH/SOP-14	Sulphate as SO42-		
8.	ISO 7393	Free Chlorine		
9.	NQTLTD/ICH/SOP-8	Chloride Cl-		
10.	ISO 172924:2016	Lead as Pb		Analysis of heavy metals by ICP/MS
11.	ISO 172924:2016	Arsenic as As		
12.	ISO 172924:2016	Mercury as Hg		
13.	ISO 172924:2016	Cadmium as Cd		
14.	ISO 172924:2016	Tin as Sn		
15.	ISO 172924:2016	Thallium as Tl		
16.	ISO 172924:2016	Molybdenum as Mo		
17.	ISO 172924:2016	Aluminium as Al		
18.	ISO 172924:2016	Niobium as Nb		
19.	ISO 172924:2016	Cesium as Cs		
20.	ISO 172924:2016	Francium as Fr		
21.	ISO 172924:2016	Strontium as Sr		
22.	ISO 172924:2016	Barium as Ba		
23.	ISO 172924:2016	Radium as Ra		
24.	ISO 172924:2016	Scandium as Sc		
25.	ISO 172924:2016	Yttrium as Y		
26.	ISO 172924:2016	Aluminium as Al		
27.	ISO 172924:2016	Rubidium as Rb		
28.	ISO 172924:2016	Titanium as Ti		Analysis of heavy metals by ICP/MS
29.	ISO 172924:2016	Vanadium as V		
30.	ISO 172924:2016	Chromium as Cr		
31.	ISO 172924:2016	Gallium as Ga		
32.	ISO 172924:2016	Germanium as Ge		
33.	ISO 172924:2016	Arsenic as As		
34.	ISO 172924:2016	Zirconium as Zr		
35.	ISO 172924:2016	Thallium as Tl		
36.	ISO 172924:2016	Mercury as Hg		
37.	ISO 172924:2016	Niobium as Nb		

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38.	ISO 172924:2016	Molybdenum as Mo		Analysis of heavy metals by ICP/MS
39.	ISO 172924:2016	Ruthenium as Ru		
40.	ISO 172924:2016	Rhodium as Rh		
41.	ISO 172924:2016	Palladium as Pd		
42.	ISO 172924:2016	Gold as Au		
43.	ISO 172924:2016	Cadmium as Cd		
44.	ISO 172924:2016	Tin as Sn		
45.	ISO 172924:2016	Antimony as Sb		
46.	ISO 172924:2016	Indium as In		
47.	ISO 172924:2016	Platinum as Pt		
48.	ISO 172924:2016	Hafnium as Hf		
49.	ISO 172924:2016	Thorium as Th		
50.	ISO 172924:2016	Bismuth as Bi		
51.	ISO 172924:2016	Tellurium as Te		
52.	ISO 172924:2016	Silicon as Si		Digestible samples (Food, beverage, cosmetics and environmental related matrices) analysis of heavy metals by ICP/MS
53.	ISO 172924:2016	Selenium as Se		
54.	NQTLTD/ICH/SOP-12	Sodium as Na		
55.	NQTLTD/ICH/SOP-12	Potassium as K		
56.	NQTLTD/ICH/SOP-12	Magnesium as Mg		
57.	NQTLTD/ICH/SOP-12	Manganese as Mn		
58.	NQTLTD/ICH/SOP-12	Zinc as Zn		
59.	NQTLTD/ICH/SOP-12	Iron as Fe		
60.	NQTLTD/ICH/SOP-12	Copper as Cu		
61.	NQTLTD/ICH/SOP-12	Lead as Pb		
62.	NQTLTD/ICH/SOP-12	Arsenic as As		
63.	NQTLTD/ICH/SOP-12	Mercury as Hg		
64.	NQTLTD/ICH/SOP-12	Cadmium as Cd		
65.	NQTLTD/ICH/SOP-12	Tin as Sn		
66.	NQTLTD/ICH/SOP-12	Thallium as Tl		
67.	NQTLTD/ICH/SOP-12	Molybdenum as Mo		
68.	NQTLTD/ICH/SOP-12	Aluminium as Al		
69.	NQTLTD/ICH/SOP-12	Niobium as Nb		
70.	NQTLTD/ICH/SOP-12	Cesium as Cs		
71.	NQTLTD/ICH/SOP-12	Francium as Fr		
72.	NQTLTD/ICH/SOP-12	Strontium as Sr		
73.	NQTLTD/ICH/SOP-12	Radium as Ra		
74.	NQTLTD/ICH/SOP-12	Scandium as Sc		
75.	NQTLTD/ICH/SOP-12	Yttrium as Y		
76.	NQTLTD/ICH/SOP-12	Aluminium as Al		
77.	NQTLTD/ICH/SOP-12	Rubidium as Rb		
78.	NQTLTD/ICH/SOP-12	Titanium as Ti		
79.	NQTLTD/ICH/SOP-12	Vanadium as V		
80.	NQTLTD/ICH/SOP-12	Chromium as Cr		
81.	NQTLTD/ICH/SOP-12	Gallium as Ga		

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82.	NQTLTD/ICH/SOP-12	Germanium as Ge		Digestible samples (Food, beverage, cosmetics and environmental related matrices) analysis of heavy metals by ICP/MS
83.	NQTLTD/ICH/SOP-12	Arsenic as As		
84.	NQTLTD/ICH/SOP-12	Zirconium as Zr		
85.	NQTLTD/ICH/SOP-12	Thallium as Tl		
86.	NQTLTD/ICH/SOP-12	Mercury as Hg		
87.	NQTLTD/ICH/SOP-12	Niobium as Nb		
88.	NQTLTD/ICH/SOP-12	Molybdenum as Mo		
89.	ISO 1842-1991	pH		Tomato paste
90.	AOAC 940.19	pH		Juices (soft beverages)
91.	ISO 750	Acidity		
92.	AOAC 940.27	Brix		
93.	NQTLTD/ICH/SOP-36	Moisture content		Honey
94.	NQTLTD/ICH/SOP-23	Total ash		
95.	NQTLTD/ICH/SOP-20	Acidity		
96.	AOAC 945:27	pH		
97.	NQTLTD/ICH/SOP-38	Fiehe's test		
98.	RS 164	Conductivity		
99.	NQTLTD/ICH/SOP-11	Relative density		
100.	NQTLTD/ICH/SOP-21	Polarization		Sugar
101.	NQTLTD/ICH/SOP-25	Moisture content		
102.	KS 05-58:1998	Sulfur dioxide		
103.	NQTLTD/ICH/SOP-26	Conductivity ash		
104.	KS 05-58:1998	Color		
105.	KS 05-2029:1989	sulfates		Salts
106.	NQTLTD/ICH/SOP-37	Total chloride as NaCl		
107.	NQTLTD/ICH/SOP-17	Iodine		
108.	KS 05-2029:1989	Moisture content		
109.	ISO-2479-1972	Water insoluble matter		
110.	NQTLTD/ICH/SOP-18	Refractive index		Cooking oil
111.	NQTLTD/ICH/SOP-25	Moisture and volatile matter		
112.	NQTLTD/ICH/SOP-5	Peroxide value		
113.	NQTLTD/ICH/SOP-6	Saponification value		
114.	NQTLTD/ICH/SOP-7	Acid value		
115.	KS 05-2029:1989	Relative density		
116.	NQTLTD/ICH/SOP-19	Iodine value		
117.	NQTLTD/ICH/SOP-3	Soap content		
118.	NQTLTD/ICH/SOP-31	Free fatty acid		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
1.	NQTLTD/OCH/SOP-20	Ethyl alcohol content		Alcoholic beverages& carbonated soft drinks
2.		Total acids		
3.		Volatile acids		
4.		Total Sulfur dioxide(T-SO ₂)		
5.		pH		
6.		Glucose fructose		
7.		Malic acid		
8.		Citric acid		
9.		Tartaric acid		
10.		Carbon dioxide (CO ₂)		
11.		Density		
12.		Folin C index		
13.		Fructose		
14.		Free sulfur dioxide(F-SO ₂)		
15.		Glycerol		
16.		Reducing sugar		
17.		pH for cloud beer		
18.		Sorbic acid		
19.	AOAC 932-12-1980	Total dissolved solids		
20.	NQTLTD/OCH/SOP-32	Aldehydes and acetaldehydes		
21.		Esters as ethyl acetate		
22.		Methanol		
23.		1-Propanol		
24.		2-Propanol or Isopropanol		
25.		1-Butanol		
26.		2-Butanol		
27.		1-Pentanol or n-Pentanol or amyl alcohol		
28.		Iso-amyl alcohol		
29.	NQTLTD/OCH/SOP-6	Total solids		Skincare creams, lotions, gel
30.	NQTLTD/OCH/SOP -16	Thermal stability		
31.	NQTLTD/OCH/SOP -14	PH range		
32.	NQTLTD/OCH/SOP -15	Total fatty substances content		
33.	NQTLTD/OCH/SOP -13	hydroquinone		Pomades and solid brilliantine
34.	NQTLTD/OCH/SOP-18	Sulphate ash		
35.	NQTLTD/OCH/SOP -16	Thermal stability		Hair cream
36.	NQTLTD/OCH/SOP -34	pH range		
37.	ASTM D86	Distillation		Kerosene
38.	ASTM D445-09	Viscosity index		
39.		Kinematic viscosity		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
40.	ASTM D1298	Specific gravity/ Relative density		Kerosene
41.	ASTM D86	Distillation		
42.	ASTM D445-09	Viscosity index		
43.		Kinematic viscosity		
44.	ASTM D1298	Specific gravity/ Relative density		Kerosene
45.		API Gravity		
46.	ASTM D86	Distillation		
47.	Visual inspection	Colour		
48.		Appearance		Jet A1
49.	ASTM D4052	Density		
50.	Visual inspection	Appearance		
51.	ASTM D86	Distillation		
52.	ASTM D4052	Density		Diesel or gasoil
53.	ASTM D93	Flash point		
54.	ASTM D86	Distillation		
55.	ASTM D445-09	Kinematic viscosity		
56.	Visual inspection	Appearance		Engine oil
57.	ASTM D4052	Density		
58.	ASTM D93	Flash point		
59.	ASTM D86	Distillation		
60.	ASTM D445-09	Kinematic viscosity		Gasoline
61.	Visual inspection	Appearance		
62.	ASTM D4052	Density		
63.	ASTM D86	Distillation		
64.	ASTM D4052	Density		Sanitary towels
65.	Visual inspection	Color		
66.	NQTLTD/OCH/SOP -21	Absorbency capacity		
67.	NQTLTD/OCH/SOP -23	pH value		
68.	NQTLTD/OCH/SOP -22	Moisture content of filler material		Toilet paper
69.	NQTLTD/OCH/SOP -36	Water absorption		
70.	NQTLTD/OCH/SOP -35	pH value, hot extract		
71.	NQTLTD/OCH/SOP -37	Moisture content		
72.	NQTLTD/OCH/SOP -42	pH of 1% solution		Scouring powder
73.	NQTLTD/OCH/SOP -38	Volatile matter		
74.	NQTLTD/OCH/SOP -08	Free alkali content		
75.	NQTLTD/OCH/SOP -10	Matter insoluble in water		
76.	NQTLTD/OCH/SOP -29	Matter insoluble in boiling water		Skin powder
77.	NQTLTD/OCH/SOP -31	Moisture and volatile matter		
78.	NQTLTD/OCH/SOP -30	pH of aqueous suspension		
79.	NQTLTD/OCH/SOP -12	Total fatty matter		
80.	NQTLTD/OCH/SOP -10	Matter insoluble in water		Laundry bar soap
81.	NQTLTD/OCH/SOP -11	Matter insoluble in ethanol		
82.	NQTLTD/OCH/SOP -38	Moisture and volatile matter content		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
83.	NQTLTD/OCH/SOP -08	Total free alkali as NaOH		Laundry bar soap
84.	NQTLTD/OCH/SOP -07	Total alkali Content		
85.	NQTLTD/OCH/SOP -09	Free caustic alkali as NaOH		
86.	NQTLTD/OCH/SOP -33	Solubility in water		Liquid detergent
87.	NQTLTD/OCH/SOP -39	Rinsing properties		
88.	NQTLTD/OCH/SOP -24	pH at 27°C at 1% solution		
89.	NQTLTD/OCH/SOP -10	Matter insoluble in water		
90.	NQTLTD/OCH/SOP -24	pH value range		Toilet soap
91.	NQTLTD/OCH/SOP -10	Total fatty matter		
92.	NQTLTD/OCH/SOP -24	Matter insoluble in ethanol		
93.	NQTLTD/OCH/SOP -12	Free caustic alkali as NaOH		
94.	NQTLTD/OCH/SOP -11	Matter insoluble in ethanol		Liquid soap
95.	NQTLTD/OCH/SOP -09	Free caustic alkali as K2O		
96.	NQTLTD/OCH/SOP -11	pH		
97.	ISO 11024	Chromatographic profile		Essential Oil
98.	Physical inspection	Appearance		
99.	Physical inspection	Color		
100.	Physical inspection	Odor		
101.	ISO 279	Relative Density		
102.	ISO 280	Refractive Index		
103.	ISO 592	Optical Rotation		
104.	ISO 875	Miscibility in ethanol		
105.	ASTM D93	Flash point		
106.	RS EAS 335:2013	Alcohol content		Cologne
107.	RS EAS 335:2013	Stability of smell		
108.	RS EAS 335:2013	pH		
109.	RS 408:2019 ANNEX A	Alcohol content		Perfume
110.	RS 408:2019 ANNEX B	Stability of smell		
111.	RS 408:2019 ANNEX D	pH		
112.	ASTM D2180 - 17	Available Oxygen		Bleach
113.	EAS 295:2021 ANNEX	Available Chlorine		
114.	EAS 295:2021 ANNEX	Sodium Hydroxide		
115.	RS ISO 4316	pH		
116.	RS EAS 956:2020	General leakage		
117.	RS EAS 956:2020	Stability of smell		
118.	RS EAS 956:2020	Non Volatile matter		
119.	EAS 847-17	pH		Glass Cleaner
120.	RS 283:2017 ANNEX C	Water content		
121.	RS 283:2017 ANNEX D	Non-Volatile matter		
122.	RS 283:2017 ANNEX G	Specific gravity		
123.	RS 283:2017 ANNEX F	Flash point		
124.	RS 283:2017 ANNEX E	pH		Wipes
125.	RS ISO 3071	pH		
126.	RS 439:2021 ANNEX C	Moisture content		

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127.	EAS 847-27	Total fatty matter		Shampoo
128.	EAS 847-28	Free Caustic alkali		
129.	EAS 847-3, ISO 673	Matter insoluble in ethanol		
130.	EAS 847-17	pH		Diapers
131.	RS ISO 3071	pH		
132.	RS EAS 969:2020	Absorptive capacity		
133.	RS EAS 461:2013	Aryl diamine		Hair dye
134.	RS EAS 461:2013	pH		
	NQTLTD/OCH/SOP- 25/EN 15662:2018	Pesticide residues (covers 180 components)	1.BHC-alpha (benzene hexachloride), 2.Methacrifos, Sulfotep, 3.BHC-gamma, 4.Diazinon, 5.Fonofos, 6.Propetamphos, 7.BHC-beta, 8.Chlorpyrifos-methyl, 9.Metalaxyl, 10.Ronnel (Fenchlorphos), 11.Pirimiphos-methyl, 12.Chlorpyrifos, Heptachlor, 13.Malathion, 14.Aldrin, 15.Bromophos, 16.Chlorfenvinphos, 17.Pirimiphos-ethyl, 18.Bromophos-ethyl, 19.Heptachlor exo-epoxide (isomer B), 20.Profenofos, 21.Tetrachlorvinphos,22. E-isomer, 23.DDE-p,p', 24. Endosulfan I (alpha isomer), 25. Carbophenothion, 26. Dieldrin, 27.Endrin, 28.Ethion, 29.DDD-p,p', 30.DDT-p,p', 31.Endosulfan II (beta isomer), 32.Endosulfan sulfate,	Fresh and dried Fruits & Vegetables and their products, Cereal grains and flour, honey as well as animal feed

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
135.	NQTL/D/OCH/SOP- 25/EN 15662:2018	Pesticide residues (covers 180 components)	33.Methoxychlor, p,p', 34. Permethrin I, 35.Cypermethrin IV {CAS # 52315-07-8}, 36. Fenvalerate I, 37. Deltamethrin, 38.BHC-delta, 39. Permethrin II, 40. Fenvalerate II, 41. DDT-o,p', 42.Chlordane-trans(gamma), 43.Chlordane-cis(alpha), 44.Heptachlor exo-epoxide, 45.Terbutylazine, 46.Vinclozolin, 47.Triadimefon, 48. Cyprodinil, 49. Fipronil, 50. Procymidone, 51. Flutriafol, 52. Myclobutanil, 53. Flusirazole, 54. Lenacil, 55.Tebuconazole, 56.Pyriproxyfen, 57. Fenarimol, 58.Etofenprox(Ethofenpro x), 59.Terbufos, 60.Tefluthrin, 61. cis-, Acrinathrin, 62.Tetramethrin I, 63.Tetramethrin II(CAS# 7696-12-0), 64.Bifenthrin, 65.Cyfluthrin I, 66.Cyfluthrin II (CAS# 68359-37-5), 67.Cyfluthrin IV(CAS # 68359-37-5), 68.Flucythrinate I, 69.Flucythrinate II(CAS #70124-77-5, 70.Phenylphenol, 2-, 71.Chlorprofam,	Fresh and dried Fruits & Vegetables and their products, Cereal grains and flour, honey as well as animal feed

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135.	NQTLTD/OCH/SOP- 25/EN 15662:2018	Pesticide residues (covers 180 components)	72. Fluazifop-butyl, 73. Chlorobenzilate, 74. Nitrofen, 75. Oxyfluorfen, 76. Pendimethalin (Penoxa line), 77. Pentachloroaniline, 78. Chlorothalothanil, 79. Trifluralin, 80. Diphenylamine, 81. Tetrahydrophthalimide , cis-1,2,3,6-, 82. Propanil (DCPA), 83. Carfentrazone-ethyl, 84. Transfluthrin, 85. Anthraquinone, 86. Resmethrin-cis (Cismethrin), 87. Etridiazole (Terrazole, Echlomezol), 88. Pyrimethanil, 89. Terbacil, 90. MGK-264 (zengxiaoan), 91. Penconazole, 92. Triadimenol, 93. Triflumizole, 94. Bupirimate, 95. Chlorfenapyr, 96. Hexazinone, 97. Fluridone, 98. Isopropalin, 99. Fluchloralin, 100. Dicloran (Dichloran), 101. Dichloroaniline, 3,5-, 102. Sulfotep, 103. Profluralin, 104. Bromfenvinfos-(Z), 105. Bromfenvinfos, 106. Chlorthiophos, 107. Nitratin, 108. Bromophos, 109. Disulfoton, 110. Parathion-methyl, 111. Parathion, 112. Triazophos,	Fresh and dried Fruits & Vegetables and their products, Cereal grains and flour, honey as well as animal feed

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135.	NQTLTD/OCH/SOP- 25/EN 15662:2018	Pesticide residues (covers 180 components)	113. Piperonyl butoxide, 114. Fenthion, 115. Tolclofos-methyl, 116.Fenamifos(Phenamip hos), 117.Iodofenophos(Phena mifos), 118. Prothiofos, 119. Sulprofos, 120.Edifenphos,121. Leptofos, 122. Coumaphos, 123.Isazofos(Miral, 124.Isazophos), 125. Pyridaphenthion, 126. Phosmet, 127. EPN, 128. Phosalone, 129. Azinphos-methyl, 130. Pyrazophos, 131. Pyraclofos, 132. Biphenyl, 133. Ethalfluralin, 134. Benfluralin, 135. Panclobutrazol, 136. Tricyclazole, 137. Propargite, 138. Fludioxonil, 139. Bromopropylate, 140.Diclorobenzophenon e,4,4'-, 141. Fenson, 142. Isodrin, 143. Chlorbenside, 144. DDE-o,p', 145. Nonachlor, trans-, 146. Chlorfenson, 147. DDD-o,p', 148. Ethylan (Ethyl-DDD, Perthane), 149. Nonachlor, 150.cis, Methoxychlor,o,p'-, 151. Tetradifon, 152. Mirex, 153. Endosulfan II (beta	Fresh and dried Fruits & Vegetables and their products, Cereal grains and flour, honey as well as animal feed

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135.	NQTL/D/OCH/SOP- 25/EN 15662:2018	Pesticide residues (covers 180 components)	isomer), 154. Allethrin, 155. Phenothrin I, 156. Cyhalothrin (lambda), 157. Pebulate, 158. Propachlor, 159. Cycloate, 160. Dialate I, 161. Clomazone, 162. Prodiamine, 163. Pronamide (Propyzamide), 164. Alachlor, 165. Propisochlor, 166. Linuron, 167. Metolachlor, 168. Diphenamid Metolachlor, 169. Pretilachlor, 170. Oxadiazon, 171. Fenpropathrin, 172. Tebufenpyrad, 173. Pyridaben, 174. Fluquinconazole, 175. Dichlorvos, 176. Tecnazene (TCNB), 177. Methidathion, 178. Dichlofenthion, 180. Etrimfol	Fresh and dried Fruits & Vegetables and their products, Cereal grains and flour, honey as well as animal feed

SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT-BUILDING MATERIAL LABORATORY

.	RS EAS 148-1	Initial setting time		CEMENT
.	RS EAS 148-1	Final setting time of cement		
.	RS EAS 148-1	Compressive strength of cement (including strength for 2days or 7days and 28 days strength)		
.	RS EAS 148-2	Lost on ignition		
.	RS EAS 148-1	Cement soundness		
.	RS EAS 11	Zinc coating mass and Base Metal thickness of roofing sheets		ROOFING SHEETS
.	RS EAS 11	Tensile strength of roofing sheets (3 pieces)		
.	RS EAS 468 RS EAS 410	Bending adhesion of roofing sheets (1piece)		
.	RS EAS 11 RS EAS 468 RS EAS 410	Marking of roofing of sheets		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
0.	RS EAS 11 RS EAS 468 RS EAS 410	Dimensional test of roofing sheets		ROOFING SHEETS
1.	Product standard	Load test		Assembly/ Component
2.	Product standard	Compression test		Plastics pipes
3.	Product standard	Heat reversion		
4.	RS 568	Water absorption of bricks and Blocks		CEMENT BLOCKS /BRICKS
5.	RS 568	Compressive strength of Bricks and blocks (price for 10 specimens / batch)		CEMENT BLOCKS /BRICKS
6.	RS 568	Dimensional test of bricks/ blocks		
7.	RS 415	Water absorption of Blocks (price for 10 specimens /batch)		PAVING BLOCKS
8.	RS 415	Compressive strength of blocks (price for 10 specimens /batch)		
9.	RS 415	Dimensional test of paving blocks		
0.	RS 359	Water absorption of burnt bricks (price for 10 specimens/batch)		BURNT BRICKS
1.	RS 359	Compressive strength of burnt bricks (price for 10 specimens/batch)		
2.	RS 359	Dimensional test of burnt bricks		
3.	RS 358	Flexural strength of roofing Tiles (price for 10 specimens /batch)		CRAY ROOFING TILES
4.	RS 358	Water absorption test of roofing tiles (price for 10 specimens/batch)		
5.	RS 358	Dimensional test roofing tiles		
6.	RS ISO1920-4	Compressive strength of hardened (concrete cubes or cylinders (price for 3 specimens)		CONCRETE
7.	RS 211-1	Particle size distribution by sieve analysis		SAND
8.	ISO 1167-1	Resistance to internal hydrostatic pressure (1 to 4hrs)		Plastic pipes
9.	ISO 1167-1	Resistance to internal hydrostatic pressure (100hrs)		Plastic pipes
0.	ISO 527-1, ISO 37	Tensile test		Plastics and Composite Materials (BML)

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SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT NON-DESTRUCTIVE MECHANICAL TESTING				
1.	RS ISO 6506-1	Brinell Hardness of metals		Metals (NDT)
2.			(XRF test for up to 44 elements: (	
			1.Sodium,	
			2. Magnesium,	
			3. Aluminum,	Metals (NDT)
			4.Silicon,	
			5. Phosphorus,	
			6. Sulfur,	
			7. Chlorine,	
			8. Potassium	
			9. Calcium,	
			10.Caesium,	
			11.Titanium,	
			12.Vanadium,	
			13. Chromium,	
			14.Manganese,	
			15. Iron,	
			16. Cobalt,	
			17. Nickel,	
			18. Copper,	
			19. Zinc,	
			20.Arsenic,	
			21. Selenium,	
			22. Rubidium,	
			23. Strontium,	
			24. Zirconium,	
			25. Niobium,	
			26. Molybdenum,	
			27. Ruthenium,	
			28. Palladium,	
			29. Silver,	
			30. Cadmium,	
			31. Tin,	
			32. Antimony,	
			33. Tellurium,	
			34. Caesium,	
			35. Barium,	
			36. Hafnium,	
			37. Tantalum,	
			38. Tungsten,	
			39. Gold,	
			40. Mercure,	
			41. Lead,	
			42.Bismuth,	
			43.Thorium and	
			44. Uranium	

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ If applicable	Matrix (product name)
3.	NQTL/MTL/NDT/SOP-1	Chemical composition	XRF test for up to 44 elements: (1.Sodium, 2. Magnesium, 3. Aluminum, 4.Silicon, 5. Phosphorus, 6. Sulfur, 7. Chlorine, 8. Potassium 9. Calcium, 10.Caesium, 11.Titanium, 12.Vanadium, 13. Chromium, 14.Manganese, 15. Iron, 16. Cobalt, 17. Nickel, 18. Copper, 19. Zinc, 20.Arsenic, 21. Selenium, 22. Rubidium, 23. Strontium, 24. Zirconium, 25. Niobium, 26. Molybdenum, 27. Ruthenium, 28. Palladium, 29. Silver, 30. Cadmium, 31. Tin, 32. Antimony, 33. Tellurium, 34. Caesium, 35. Barium, 36. Hafnium, 37. Tantalum, 38. Tungsten, 39. Gold, 40. Mercure, 41. Lead, 42.Bismuth, 43.Thorium and 44. Uranium	SOILS ROCKS & LIQUID SAMPLES (NDT)

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ If applicable	Matrix (product name)
4.	NQTL/MTL/NDT/SOP-1	Elemental analysis/chemical composition		School chalk (NDT)
5.	EAS 25	Moisture content of powder materials		
6.	EAS 25	Product Dimensional test		
7.	EAS 25	Product Marking inspection		
8.	RS EAS 125	Burning quality		Wax matches (NDT)
9.	RS EAS 125	Inspection of sticks		
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT-ELECTRICAL & ELECTRONICS LABORATORY				
1.	RS IEC 60227-1	Marking inspection		ELECTRICAL CABLES (EEL)
2.	NQTL/MTL/NDT/SOP-1	Chemical composition of cable conductor material		
3.	RS IEC 60227-2	Resistance of electrical cables rolls.		
4.	Product Standard	Secondary batteries: Discharge Performance Test, for power storage batteries: Capacity range greater than 100Ah		ELECTRICAL BATTERIES (EEL)
5.	Product Standard	Secondary batteries: Charge and Discharge Performance Test, for car starter batteries and power storage batteries: Capacity range [50Ah-100Ah]		
6.	Product Standard	Secondary batteries: Charge and Discharge Performance Test, for phone batteries computers batteries, portable medical devices batteries, CAR Capacity range: [10Ah - 50Ah]		
7.	Product Standard	Secondary batteries: Charge and Discharge Performance Test for rechargeable -phones batteries, cylindrical batteries for small apparatus. Capacity range: below 10Ah		
8.	Product Standard	Discharge _Only Performance Test for primary batteries		
9.	Product Standard	Battery Voltage “as received”, primary and secondary batteries		
10.	Product Standard	Batteries marking inspection		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ If applicable	Matrix (product name)
11.	Product Standard	Solar panel performance test at Standard Test Conditions STC (Pmpp at STC, Voc at STC , Vmpp at STC, Isc at STC, Impp at STC)		Solar Panel (EEL)
12.	Product Standard	Field Service Test by Day: Maximum Power Test at STC and Insulation resistance of PV solar system installation tested on filed		
13.	Product Standard	Energy performance in house hold electric bulbs (Luminous Flux, lm Light efficiency, lm/w Energy Efficiency or Color Rendering Index (CRI),Power Factor (PF), b1Correlated Color Temperature (CCT) in Kelvin (°K), Light Distribution or Beam angle)		ELECTRIC LAMPS
14.	Product Standard	Marking and labeling Inspection		
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT- MECHANICAL AND METALLURGY LABORATORY				
1.	RS ISO 6892-1	Tensile strength/Yield strength/elongation	bar diameter 6mm	Steel bars for reinforcing of concrete (MML)
2.	RS ISO 6892-1		bar diameter 8mm	
3.	RS ISO 6892-1		bar diameter 10mm	
4.	RS ISO 6892-1		bar diameter 12mm	
5.	RS ISO 6892-1		bar diameter 14mm	
6.	RS ISO 6892-1		bar diameter 16mm	
7.	RS ISO 6892-1		bar diameter 20mm	
8.	RS ISO 6892-1		bar diameter 25mm	
9.	RS ISO 6892-1		bar diameter 32mm	
10.	ISO 15630-1	Three points Bend test of steel bars for reinforcing of concrete	bar diameter 6mm,8mm,10mm,12 mm	
11.	ISO 15630-1		bar diameter 14mm and 16mm	
12.	ISO 15630-2		bar diameter 20mm and 25mm	
13.	ISO 15630-1		bar diameter 32mm and above	
14.	RS ISO 6935-1&2	Dimensional test		steel bars
15.	RS ISO 6892-1	Tensile strength (Min 3 strip pieces)		Structural steels- Hollow sections (DMT)
16.	ISO 4019	Dimensional test		
17.	product related	Tensile properties (3 pieces)		Steel plates sheets

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ If applicable	Matrix (product name)
18.	product related	Dimensional test		polyethylene water tanks (BML)
19.	RS 128	Resistance to deformation		
20.	RS 128	Tensile properties (6 pieces)		
21.	RS 128	Dimensional test		
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT-POLYMER, LEATHER & TESTING LABORATORY				
1.	RS ISO 4074	Freedom from holes of condoms		CONDOMS (PTL)
2.	RS ISO 4074	Condom strength Bursting volume and Bursting pressure of condoms		
3.	RS ISO 4074	Pack seal integrity of condoms		
4.	RS ISO 4074	Condoms dimensions (width and length)		
5.	RS ISO 4074	Design and inspection of labeling requirements		
6.	RS ISO 4074	Thickness of condoms and Quantity of lubricant in condom container		
7.	EAS 378-1	Tensile properties		MATRESS (PTL)
8.	EAS 378-1	Tear resistance		
9.	EAS 378-1	Density		
10.	EAS 378-1	Dimensions		
11.	EAS 378-1	Compression set (3 pieces)		
12.	EAS 378-1	Marking inspection		
13.	ISO 3376	Tensile strength of leather materials and Percentage extension of leather materials		LEATHER MATERIALS (PTL)
14.	NQTLTD/MTLU/PTL/SO P-6	Resistance to tearing load of leather materials		
		Thickness of leather materials		
15.	ISO 5402	Flex resistance of leather materials		
16.	ISO 2420	Apparent density		TOILET PAPER (PTL)
17.	RS EAS 355	Tensile strength		
18.	RS EAS 355	Tissue paper substance/grammage		
19.	RS EAS 355	Dimensional test		
20.	RS EAS 355	Design and inspection of labeling requirements		
21.	ISO 287	Moisture content		
22.	ISO 2758	Bursting strength		base paper for waxed bread wrap

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
23.	ISO 1924	Tearing strength		base paper for waxed bread wrap
24.	ISO 536	Substance/grammage		
25.	ISO 12625-4	Tensile strength		paper serviettes (napkins)
26.	ISO 287	Moisture content		
27.	ISO 22198	Dimensional test		
28.	ISO 536	Grammage		
29.	RS EAS 861	Design and inspection of labeling requirements		Facial tissue paper
30.	ISO 12625-6	Grammage		
31.	ISO 22198	Dimensional test		
32.	RS EAS 862	Design and inspection of labeling requirements		
33.	ISO 12625-4	Tensile strength		Office papers
34.	ISO 536	Grammage		
35.	ISO 287	Moisture content		
36.	ISO 1974	Elmendorf Tear index		
37.	ISO 535	Water absorptiveness		Photocopy paper
38.	ISO 536	Grammage		
39.	ISO 287	Moisture content		
40.	ISO 534	Thickness		
41.	ISO 1974	Elmendorf Tear index		Cement bags paper
42.	ISO 536	Grammage		
43.	ISO 287	Moisture content		
44.	ISO 1924-2	Tensile strength		
45.	ISO 5636	Porosity or Air permeability		Waxed paper for bread wrap
46.	ISO 1974	Elmendorf Tear resistance		
47.	ISO 535	Water absorptiveness		
48.	NQTL/MTL/NDT/SOP-	Heavy metal content		
49.	ISO 536	Grammage		Sack Kraft paper
50.	ISO 536	Grammage		
51.	ISO 287	Moisture content		
52.	ISO 1924-3	Tensile strength		
53.	ISO 535	Water absorptiveness		Paper bags
54.	ISO 1924-3	Tear index		
55.	ISO 1924-3	Tensile index		
56.	ISO 2758	Bursting strength		
57.	ISO 536	Grammage		Wrapping paper
58.	ISO 2758	Bursting strength		
59.	ISO 1974	Elmendorf Tearing resistance		
60.	ISO 535	Water absorptiveness		
61.	ISO 536	Grammage		Wrapping paper
62.	ISO 2758	Bursting strength		
63.	ISO 1974	Tearing resistance		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ I f applicable	Matrix (product name)
64.	ISO 13934-1	Tensile strength	TEXTILE	TEXTILE
65.	ISO 9073-4	Tear strength		
66.	ISO 3801	Specific weight (mass per unit area)		
67.	ISO 22198	Dimensional test		
68.	ISO7784-1&2	Resistance to abrasion		
69.	ISO 811	Resistance to water penetration		
70.	ISO105-C06	Color Fastness to weathering		
71.	ISO 105-C06	Color Fastness to washing		
72.	ISO 105-X12	Color Fastness to Rubbing		
73.	Equipment method	Color measurement		
74.	Equipment method	Color Fastness to light		
75.	ISO 1833	Fiber composition		
76.	ISO 5077	Dimensions change after washing		
77.	ISO 16809	Dry film thickness test	Paints and Coatings	Paints and Coatings
78.	ISO7784-1&2	Resistance to Abrasion		
79.	ISO 2813	Gloss value		
80.	ISO 2813	Loss of Gloss to weathering		
81.	ISO 2811-4	Density or Specific Gravity		
82.	ISO 9117-3	Drying Time of paint		
83.		Hardness test		
84.	RS EAS 851 2016	pH		
85.	ISO1524	Fineness of paint granules		
86.	ISO 3251	Non Volatile matter		
87.	EAS 148-2	Loss on Ignition	Cement	Cement
88.	EAS 148-2	Chloride content		
89.	EAS 148-2	Sulphate content		
90.	ISO 14855-2	Biodegradability	Plastics and alternative Products to plastics	Plastics and alternative Products to plastics
91.	ISO 1133-1	Melt Flow rate		
92.	ASTM D3826:2018	Degradation End Point Test		
93.	ISO 1833	Insoluble polymeric residues		
94.	ISO 2758	Bursting strength		
95.	ISO 5636	Porosity or Air Permeability		
96.	ISO 536	Grammage		
97.	ISO 22198	Dimensions		
98.	Product standard	Migration		
99.	MTL/NDT/SOP-1	Heavy Metals		
100.	ISO 1924-2	Tear factor	Notebook books	Notebook books
101.	ISO 22198	Dimension Test		
102.	ISO 536	Grammage/substance		
103.	ISO 535	Water Absorptiveness		

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S/N	Standard Operating Procedures (SOP)/reference or Standard Methods	Parameters	Components/ If applicable	Matrix (product name)
104.	RS ISO 4074	Design and Inspection of labeling or Packaging requirements		Notebook books
105.	ISO 811	Resistance to water penetration		Water Resistant materials (Tarpulins, Tents, water bladders, etc) (PTL)
106.	ISO 13934-1	Tensile Strength		
107.	ISO 9073-4	Tear Strength		
108.	ISO 3801	Specific weight (Mass per unit area)		
109.	ISO 7784-1,2	Resistance to Abrasion		Materials resistance to abrasion Textile and polymers materials
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT- COOKING STOVES TESTING LABORATORY				
1.	ISO 19867-1	Thermal efficiency and Emission (CO: Carbon monoxide, CO2: Carbon dioxide and PM2.5: particulate matter 2.5)		Cook Stoves
2.	ISO 19867-1	Safety and durability		
3.	ISO 19867-1	Dimensions		
4.	ISO 19867-1	Marking inspection		
5.	Product standard	Moisture content		Solid fuel
6.	Product standard	Fuel ash content		
7.	Product standard	Calorific value		
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT- SAFETY HELMET TESTING LABORATORY				
1.	RS 576:2024	Helmet Impact Absorption test		Helmet
2.	RS 576:2024	Helmet Dynamic test of the retention system		
3.	RS 576:2024	Helmet Rigidity test		
4.	RS 576:2024	Helmet Projection test		
5.	RS 576:2024	Helmet Friction test		
6.	RS 576:2024	Helmet Retention test		
7.	RS 576:2024	Helmet Marking inspection test		
8.	RS 576:2024	Helmet Materials types analysis		
SCOPE OF TESTING IN MATERIAL TESTING LABORATORIES UNIT- FURNITURE TESTING LABORATORY				
1.	ISO STANDARDS	Durability of furniture's (tables, desk, chairs, sofa's, beds, shelves, cupboard)		Furniture
2.	ISO STANDARDS	Stability of furniture's (tables, desk, chairs, sofa's, beds, shelves, cupboard)		

Approved by:



Digitally signed
by RSB(DIVISION
MANAGER)
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