

नमुना परिक्षण दस्तुर

Parameters	Test Fee (Per sample) Rs	Sample need	Time
1. MICROBIOLOGICAL TEST		500ml/gm/2bottles	7 Days
Total count	300		
Coliform count + Fecal Coliform	800		
Salmonella (Confirmatory)	1500		
2. BISCUIT, WHEAT FLOWR, BAKERY, PRODUCTS AND CONFECTIONARIES		100 gm./ 2 pkts	10 Days
PH	100		
Net Weight	25		
Moisture	100		
Free Fatty Acid	250		
Acid Insoluble Ash	600		
Acidity of Alcoholic Extract	250		
Sulphated Ash	300		
Total Sugar	250		
Reducing Sugar	250		
Total Solids	100		
Crude Fiber	500		
Gluten	100		
3. SUGER, MOLASSES AND HONEY		200 gm.	7 Days
Moisture	100		
Brix Value	100		
Water Insoluble Matter	150		
Total Sucrose Content	250		
Total Reducing Sugar	250		
Total Ash	300		
Sulphated Ash	400		
Calcium Oxide	200		
Specific Gravity	100		
Free Acid and PH	250		
Dextrose Percent	300		
Fructose Dextrose Ratio	300		
Total Nitrogen	300		
4. NOODLES		3 Pkts	7 Days
Moisture	100		
Acid Insoluble Ash + (total Ash)	400		
Protein	300		
Gruel Content	150		
Acidity Of Extracted Fat	250		
Peroxide Value of Extracted Fat	250		

Acidity of Oil	100		
Starch	350		
Azo dyes	250		
5. CHEESE		200 gm.	5 Days
Moisture	100		
Fat	150		
Sodium Chloride	150		
TEA AND COFFEE		100 gm.	10 Days
Caffeine Content	350		
Water Extract	250		
Crude Fiber	500		
Moisture	100		
Total Water Soluble Ash + Alkalinity of Soluble Ash	400		
Acid Insoluble Ash+ Total Ash	600		
6. Drinks (BEVERAGES)		2 bottle	10 Days
Total Count + Coliform	300		
Total Soluble Solids	250		
Acidity	100		
Benzoic Acid	300		
Saccharine	350		
Drained Weight	50		
Brix Reading	50		
PH	50		
Carbon dioxide Content (By Pressure Measurement)	50		
Alcohol Content	200		
Heavy Metals One Parameter	200		
7. OIL AND GHEE		1/2 kg.X2 pkts	15 Days
Oil Complete Analysis	800		
Ghee Complete Analysis	800		
Moisture	100		
Free Fatty Acid (Acid Value)	100		
Specific Gravity	100		
Argemone Test	75		
Peroxide value	100		
Iodine Value	150		
Saponification No.	200		
Unsaponifiable Matter	300		
Refractive Index (or BR reading)	150		
Melting Point	50		
Color	100		
Hexa bromide Test (Linseed Oil Test	100		

)			
Sesame Oil test	50		
Allyl isothiocynate test (Volatile Oils)	200		
)			
Rapeseed Oil test	100		
Bellyer Turbidity Temperature Test(BTT)	200		
Mineral Oil + Argimone mexicana	150		
8. MILK AND MILK PRODUCTS		200 ml/ gm.	7 Days
Determiration of Fat	150		
SNF	50		
KETCHUP AND SAUCE		100 gm	4 Days
TDS	250		
Specific Gravity	100		
Acidity as Acetic Acid	100		
SPICES		100 gm.X2 pkts	10 Days
Moisture	200		
Acid Insoluble Ash	400		
Steam Volatile Oil	200		
Non Volatile Ether Extract	500		
Alcohol Extract	200		
Curcumine	200		
Lead Chromate Test	100		
9. FEED AND FEED PRODUCTS		500 gm	7 Days
Crude Protein	300		
Free Fatty Acid (Extracted)	250		
Acid Insoluble Ash+ Total Ash	600		
Moisture	100		
crude Fat	250		
Crude Fiber	500		
Minerals			
Calcium	150		
Phosphorus	200		
Sodium Chloride	100		
Sodium Bicarbonate	200		
TABLE SALT		1 kg/pkt	5 days
Iodine Content	150		
Sodium Chloride	300		
Moisture	100		
Water Insoluble	100		
Magnesium	250		
Potassium Chlorid	200		
10. RICE AND GRAINS		500 gm	7 days

Moisture	100		
Grain Analysis	250		
Broken Grans+			
Foreign Matter+			
Damaged Grain+			
Decolorized Grain+			
Chalky Grains+			
Red Grains+			
Paddy			
Bulk Density	100		
11. Beer		2 bottle	7 Days
Ethyl Alcohol %			
PH			
Carbon dioxide			
Arsenic			
Lead			
Copper			
Iron			
12. GYPSUM		500 gm	4 days
Purity	300		
Zinc Oxide	600		
13. DETERGENT AND SHOPS		100 gm	10 days
Active Ingredient	300		
Phosphate Content (As Tripoly Phosphate)	250		
Water Insoluble matter	100		
Alcohol Insoluble Matter	100		
Caustic Soda	300		
PH	50		
Volatile Matter	150		
Moisture	100		
Total Fatty Matter	300		
Matter Insoluble in Alcohol	100		
Unsaponifiable Matter	300		
Free Caustic Alkali	100		
Chloride	100		
14. WATER AND EFFLUENTS		2 bottles (1 liter each)	7 Days
Heavy Metals - One Parameter	200		
Total Dissolved Solids	300		
Total Suspended Solids	150		
PH	50		
Total Chloride	100		

Total Sulphate	400		
Total Sulphide	150		
Oil and Grease	250		
COD	200		
BOD	600		
Total Chromium	200		
Chromium(6+)	250		
Acidity/Alkalinity	100		
Total Phosphorus	250		
Water Soluble Phosphorus	200		
Total Nitrogen	300		
Ammonical Nitrogen	200		
Total Hardness	150		
Calcium hardness	150		
Methyl Orange Alkalinity	100		
15. PAINT		1 sealed container	1 week
Gloss (Qualitative)	50		
Drying Time	50		
Surface Dry	50		
Hard Dry	50		
Consistency , Viscosity	50		
Color	50		
Finish	50		
Scratch hardness	100		
Net weight /Volume	100		
Flexibility	100		
Stripping test	100		
Flash Point	100		
Density (Wt/10 Litre)	100		
16. CEMENT PAINT		500 gm	7 Days
Chloride	200		
Sulphate	300		
Water Soluble	100		
CEMENT AND MORTARS (CEMENT TOTAL ANALYSIS	1200		
Sand Cement Ratio	200		
Calcium Oxide + Magnesium Oxide	300		
Sulphur Trioxide	400		
Iron Oxide	150		
R2O3	400		
Loss On ignition	400		
Silica	400		

Insoluble Residue	400		
17. FERTILIZER		1 kg.	5 days
Moisture	500		
Particle Size	50		
Total nitrogen	300		
Ammonical Nitrogen	200		
Total Phosphorus	250		
Water Soluble Phosphorus	200		
Biuret	200		
Potassium	200		
Calcium	200		
18. G.I WIR,PIPE AND SHEETS		4 pieces 10 cm, 5 cmX5 cm	3 days
Uniformity	100		
Mass of Zinc Coating + Dimensional Measurement	250		
Single Spot Uniformity of Plate	50		
Triple Spot	150		
Zinc Coating +Adhesive Test	200		
Diesel HSD		1 Ltr.	4 days
Density at 15°C,Kg/metre ³			
90% Recovery by volume, degree centigrade			
Copper Strip Corrosion for 3 hrs at 100°C, Degree Centigrade			
19. PETROLEUM PRODUCT		1 Ltr.	5 Days
Porosity	100		
Smoothness	100		
Colour visible			
Copper strip corrosion	300		
Flash Point	150		
Distillation	300		
Initial Boiling Point			
Final Boiling Point			
Recovery at 70 c			
Recovery at 125 c			
Recovery at 180 c			
Recovery at 200 c			
Total Recovery			
Residue			
Moisture	300		
Viscosity	150		
Total Sediments	100		

Density	50		
Inorganic Acidity	100		
Lead Content	350		
20. TEXTILE MATERIAL CHEMICAL COMPOSITION		1 meter	7 Days
Extraction of Dye and sizing Material	200		
Single Digestion	100		
Cotton + Viscous Percentage	300		
Wool Percent	150		
Polyester	150		
Protein Fiber	150		
Nylon Fiber	150		
Plastic Lamination (Percentage)	150		
Aluminum Acetate Coating	200		
Polypropylene	150		
Jute	150		
Color Fastness to Rubbing	300		
Size	100		
Width	50		
Rope	50		
Net Weight	100		
21. LEATHER			1 week
Moisture	100		
Water Soluble	100		
PH Differential Number	150		
Oils And Fats	150		
Hide Substance	300		
Total Ash	300		
Total Chromium	350		
Hexavalent Chromium	250		
22. BLEACHING POWDER/SODIUM HYPOCHLORIDE			
Available chlorine	150		
Sodium Bicarbonate	200		
23. SPIRIT		1liter	1 week
Specific Gravity (Distillation Method)	200		
Alcohol Content (Distillation Method)	200		
Alcohol Content(Hydrometer Method)	50		
Methanol Content	150		
Miscibility With Water	50		

Alkalinity	100		
Residue on Evaporation	100		
Aldehyde Content	150		
Fusel Oil	200		
Furfural Content	100		
Ester Content	150		
Total Acidity	100		
Volatile Acidity	100		
Fixed Acidity	100		
Permanganate Reduction Time	50		
24. STEEL		100 gm.	7 Days
Carbon	500		
Chromium Percent	500		
Manganese Percent	500		
Phosphorus Percent	500		
Sulphur Percent	500		
Nickel Percent	500		
Silicon Percent	500		
25. TOOTH PASTE		1 pkt.	7 Days
Net Weight	50		
Residue on 150 Micron sieve , Residue on 75 Micron sieve	150		
PH	50		
Abrasion	50		
Foaming Power	50		
26. SODIUM HYDROXIDE PURITY			
Castic soda (purity)	300		
Copper (Purity)	200		
27. MAGNESITE			
Bulk Density	200		
28. ACETIC ACID			
Freezing Point	50		
Formic Acid And Acetic Acid Content	300		
Metals(Except Aluminum)	200		
Wood		100 gm.	4 days
Moisture	100		
Oven Dry Method	100		
Dean and Stark Method	150		
COAL		100 gm.	5 days
Moisture	100		
Total Ash	400		
Volatile Matter	400		

Calorific Value	50		
ELECTRIC TESTING LABORATORY			
HELMET			
Shock Absorption Test	100		
Penetration Resistance test	100		
Chain Step Test	100		
Eclectic Resistance test	200		
Flammability Resistance Test	450		
Melted Metal Projection Test	100		
Heat Resistance Test (Total)	3500		
Up to 1 Hour	700		
Up to 2 Hour	1300		
Up to 3 Hour	2000		
Up to 4 Hour	2800		
ACSR CONDUCTORS		20 meter	10 days
Dimensional Measurement	150		
Mass of ACSR	150		
Electrical Resistance Test	250		
Tensile Test			
Each Aluminum Conductor	300		
Each Steel Conductor	600		
DROP WIRE			
Clamp (Per Piece)	200		
PVC CABLE			
Dimensional Measurement	150		
Mass of PVC Conductor	150		
Electrical Resistance Test	150		
Insulation Resistance test	200		
Fire Resistance Test	100		
Tensile Test(PVC , Conductor)			
Test of Dum bell	350		
Tensile Test of Copper Conductor	200		
Insulation Thickness	150		
High Voltage	300		
Solder Bath test	100		
SUPPORTING CABLE OR SELF SUPPORTING DROP WIRE (TELEPHONE)		20 meter	10 days
Diameter of Conductor	150		
Resistance of Conductor	250		
Insulation Resistance	150		
Insulation Thickness	150		

Tensile Strength of steel (Any No of wire)	600		
Elongation of Copper	200		
Mutual Capacitance	100		
Diameter of Suspension wire	150		
Sheath Thickness (Suspension)	150		
Sheath Thickness (wire)	150		
Supporting Cable 2 to 5 Pairs	1600		
Supporting Cable for 1 Pairs	1000		
Supporting Cable for 10 Pairs	3850		
Supporting Cable for 11 to 25 Pairs	5600		
Supporting Cable for 26 to 50 Pairs	7350		
Supporting Cable for 51 to Above Pairs	14700		
PIPE TESTING LABORATORY		1 meter (5 pcs.)	10 days
POLYETHYLENE PIPES			
Reversion test	100		
Hydraulic test	400		
Dimensional Measurement	50		
Density (Bulk)	50		
Melt flow Index	50		
POLY VINYL CHLORIDE		1 meter (5 pcs.)	10 days
Reversion test	100		
Stress Relief Test	100		
Dimensional Measurement Test	50		
Impact Test	150		
Opacity	50		
Hydrostatic test	400		
CONSTRUCTION MARERIAL TESTING LABORATORY			
Physical Testing of Cement		10 Kg.	35 days
Fineness	300		
Soundness			
Le Chat	400		
Autoclave	700		
Setting time (initial and final)	500		
Specific Gravity	300		
COMPRESSIVE STRENGTH			
Cement			
Up to 7 days	1000		
Up to 28 days	1600		
Cubes (Prepared By the Client)			
Concrete	150		

Mortar	150		
BRICKS		10 Numbers	7 Days
Compressive Strength	1100		
Dimension	100		
Efflorence	100		
Water Absorption	700		
Hollow Cement Concrete Block (Per 2 Pieces)	700		
MECHANICAL TESTING LABORATORY		5 pcs/60 cm. each	7 Days
Tensile Strength	600		
Bend test	150		
Re bend Test	300		
Bond test	50		
TEXTILE LABORATORY		1 pc/100 gm.	5 days
LAC(Length After Carding) (LBM)	400		
Staple Length (Arithmetic Mean)	100		
Diameter	200		
Modulation	100		
WOOLEN FABRICS		100 gm	5 days
% of wool	150		
Yarn		100 gm.	5 days
Tensile Strength	200		
Wt.Pr 100 M	50		
Breaking Load	100		
Elongation	100		
FABRIC		1.5 meter	7 Days
Tensile Strength	200		
Warp and Weft	150		
Linear Density	125		
THREAD		200 gm.	7 Days
Count	150		
Twist	150		
Strength			
Single	150		
Skein	200		
SACK AS PER NS (POLY Woven BAG)		1 sample	
Microscopic Analysis	150		
PASHMINA		1 pcs./ 100 gm.	7 Days
Warp %	150		
Weft %	150		
Pashmina+ Average Fiber Diameter	250		
Total % Wool	250		

Wool/Silk Ratio	250		
Dimensional Measurement	50		
SHOES		1 pair	10 days
Toe test	100		
Heel Test	100		
Flexible Test	1500		
Miscellaneous			
Trace Metal By Graphite Furnace	700	100gm.	7 Days
Trace Metal By Vapor Generation	500		
Calorific Value By Bomb Calorimeter	1000		
Metal By Flame Photometer	200		
Anion By ion Selective Electrode	150		
Flammability test of Fabric	1000	100 gm.	
Fabric Diameter by Optical Fiber Diameter Analyzer	1000	"	
Microscopic Examination of Nature of Fiber	1000	"	
Flexing Cycle Test of leather goods	1500	1 pair	
Chemical Analysis of binary mixture of yarn/fabric	500	100 gm	
Chemical Analysis of ternary mixture of yarn/fabric	1000	"	
Tensile Strength test of paper and paper Board	500	20 pcs/sheets	
Bursting Strength of paper and paper Board	500	1 sample	
Compressive Strength of paper Board	500	"	
Impact test of paper Board	500	"	
Brightness /opacity/gloss/porosity/stiffness of paper	250 each	10 sheet	
Tear Resistance of paper	250	10 sheet	
Folding Endurance of paper	500	"	
Color Fastness of rubbing yarn/fabric	300		
Color Fastness of washing yarn/fabric	500	100 gm/20X20 cm.	
Color Fastness of perspiration yarn/fabric	500	"	
Color fastness of light yarn/fabric	1000	"	
Thickness of paper/film/fabric	250 each	"	
Oil absorbency test of paper surface	250	"	
Oil Penetration test	250	"	
Cobb Sizing Test of paper	200	"	
Curl Test of paper	100	"	

Number of threads in fabric (warp and weft)	300	"	
Determination of PH glass electrode Method	100	"	
Total Ash and Acid Insoluble Ash	600	100 gm	
Refractive Index of oils and fat	150	100 ml	
Total dissolved solid in water	300	100 ml	
Total Sulphate on Water /waste water	400	100 ml	
Oil and grease in water/waste water	250	100 ml	
Mass of zinc coating in Galvanized wires/pipes /sheet with dimensional measurement	250		
Migration test in Coal	300		
Total Ash in coal	400		
Volatile Matter in Coal	400		
PAPER AND PLASTIC SHEETS		20 pcs.	7 Days
PH	50		
Moisture	100		
Grammage	150		
Thickness	250		
Tensile Strength	200	20 pcs	
Feather/Swelling test	50		
Cobb value	100		
Grammage (GM/M2)	250		
Plastic Container		1 container	4 Days
Total Migration	300		
LPG Cylinder		2 cylinder	3 days
LPG Valve		3 pcs	3days
LPG Regulator		3 pcs	3days
Furnace Oil		1 Ltr.	4 days
Colour			
Density at 27o C, Kg/metre ³			
Calorific Value, cal/g			
Flash Point min (Pensky Martin, closed), degree centigrade			
Transformer Oil		1 Ltr.	4 days
Colour			
Density at 27o C, Kg/metre ³			
Flash Point min (Pensky Martin, closed), degree centigrade			
Water Content max (Dean &Stark Apparatus)			
Juniper Oil		200 ml	3 days

Specific Gravity, g/ml			
Optical Rotation , degree			
Refractive index			
Flash Point), degree centigrade			
Vapour Pressure, Kpa			
Jewelry By EDX Method		1 pcs. each	3 days
Gold			
Silver			
Copper			
Nickel			
Chromium			
Lead			
Cadmium			