NFC Institute of Engineering & Fertilizer Research Faisalabad

Department of Civil Engineering Commercial Testing Services

List of Tests

Sr. No.	Name of tests	
Tests on Steel		
1	Tension test on Steel	
2	Tension test on FRP	
3	Bending test on Steel	
Tests on Concrete		
4	Concrete Cube	
5	Concrete Cylinders	
6	Concrete Cylinders capping with sulphur	
7	Concrete core (provided by client)	
8	Tuffpaver/ tiles	
9	Hollow & solid block/sample	
10	Kerb stone 6x6x6 cube	
11	Concrete mix design	
12	Concrete mix design (with estimates)	
13	Concrete direct tensile strength	
14	Flexure strength of concrete (PCC)	
15	Concrete Permeability Test	
Tests on Bricks		
16	Absorption of water (6)	
17	Effloresecne test	
18	Compression test on Bricks	
Tests on Aggregates		
19	Sieve Analysis of Coarse/Fine Aggregate	
20	Fineness Modulus of Fine Aggregate	
21	Crushing Value/ 10% fine value of Coarse Aggregate	
22	Impact Value of Coarse Aggregate	

23	Specific Gravity of Coarse Aggregate	
24	Specific Gravity of Fine Aggregate	
25	Water Absorption of Coarse Aggregate	
26	Flakiness index of Aggregates	
27	Elongation index of aggregates	
28	Abrasion test by Los Angeles	
Tests on Asphalt		
29	Penetration	
30	Specific gravity	
31	Softening point	
32	Flash & Fire point test	
33	Marshall stability on loose mix	
34	Marshall specific gravity of Asphalt mix	
Tests on Cement		
35	Initial Setting Time	
36	Final Setting Time	
37	Fineness of cement by Sieve	
38	Fineness of cement by Baline's Permeability Apparatus	
39	Compressive test of cement using mortar cubes	
40	Mortar Ratio Determination	
41	Soundness test of cement	
Tests on Soil		
42	Moisture Content	
43	Unit weight	
44	Sieve analysis dry	
45	Sieve analysis wet	
46	Hydrometer	
47	Liquid Limit	
48	Plastic limit	
49	Shrinkage limit	
50	Specific Gravity	
51	Standard proctor test (soil)	
52	Standard proctor test (aggregate)	

53	Modified proctor test (soil)
54	Modified proctor test (aggregate)
55	One point CBR (soaked) soil
56	One point CBR (soaked) aggregate
57	Three point CBR (soaked) soil
58	Three point CBR (soaked) aggregate
59	Field density test
60	Coefficient of Uniformity D ₁₀ , D ₃₀ , D ₆₀
61	Unified classification AASHTO
62	Classification by USCS
63	Direct shear test
64	Permeability test (Constant head)
65	Permeability test (Falling head)
66	Unconfined compression test (UCS)
67	Triaxial test (UU) at normal moisture content
68	Triaxial test (UU) at saturation
69	Triaxial test (CU)
70	Triaxial test (CD)

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