

Authorized Trials

Profile Name / Test Nomenclature
CRCPC - concrete, reinforced concrete and precompressed concrete
Occluded air content: volumetric methods with pressure – tests on fresh concrete
Determining the penetration depth of pressured water - tests on hardened concrete
Specimens
Compaction degree - tests for fresh concrete
Preparing and preserving concrete specimens for resistance trials, tests on hardened concrete
Compression resistance
Frost – thaw resistance
Settlement – test on fresh concrete
Temperature – tests on fresh concrete
Checking metal patterns
R - roads
Compaction characteristics with dry density; optimal moisture – soil or aggregates stabilized with binders; Proctor test
Compaction characteristics, Proctor test
Density of pavement layers with sand-cone device.
Determining the pavement linear E deflection with Benckelman beam
Sand equivalent
Granularity: sieving method – tests mechanically stabilized soil foundations, material mixture tests
Granularity: sedimentation method - tests mechanically stabilized soil foundations, material mixture tests
Moisture; cement stabilized aggregates
GFG - geotechnics and foundation ground
Compaction characteristics: Proctor test
Compressibility tested through odometer method
Soil density: punch method
Soil skeleton density
Determination of volumetric weight on the ground: volume estimation method with water and plastic film
Determination of plastic upper limit. Cup method
Determination of plastic limits – Determination of plastic inferior limit – Soil cylinder method Determination of plastic limits –
Determination of the plastic inferior limit
Determination of free swelling
Granularity: sieving method
Granularity: sedimentation method
Organic matters
Dynamic Cone Penetration
Sampling methods
Soil shear strength by direct shear testing
Moisture
MCM - Materials for concrete and mortars
Fine particle content
Profile name / Tests Nomenclature
MCM - Materials for concrete and mortars
Determination of grinding fineness - tests on cement
Particle shape determination. Flattening coefficient – tests to determine the geometric characteristics of aggregates
Particle shape determination. Shape coefficient - tests to determine the geometric characteristics of aggregates
Bulk density determination - natural river aggregate tests

Mechanical strengths determination - physical tests on cement
Stability determination - tests on cement
Determination of setting time – tests on cement
Granularity of materials – tests on natural, river aggregates
Sampling methods – tests to determine the aggregates general characteristics
Sampling and preparation methods of cement samples – tests on cement
Sample reduction methods
Moisture
MBC - Materials for bentonite clay
Free sand content
Determination of pH
Filtering. Bentonite cake thickness
Specific weight
Suspension stability *
Drainage time