Oklahoma DOT Central Laboratory Technician Evaluation Checklists

94 Central Structural Materials Lab

Aggregate

CLab Test (CLT)	CLT I.D.	Specifications
Bulk Density and Voids	00086	T19
Clay Lumps and Friable Particles	00080	T112
Finer than 200 Sieve	00079	T11
Flat and Elongated	00057	D4791
Fractured Particles (Crushed)	00060	D5821
LA Abrasion	00105	T96
Micro-Deval	00120	T327
Moisture Content	00109	T255
Organic Impurities in Fine Aggregate	00090	T21
Reducing Samples	00240	R76
Sampling Aggregates	00285	R90 D75
Sand Equivalent (Soil / Aggregate)	00084	T176 D2419
Sieve Analysis	00101	T27
Specific Gravity and Absorption (Coarse)	00104	T85
Specific Gravity and Absorption (Fine)	00103	T84

Metals

CLab Test (CLT)	CLT I.D.	Specifications
Carbon-Steel Bars: Average Height	00278	M31-T244
Carbon-Steel Bars: Average Spacing	00277	M31-T244
Carbon-Steel Bars: Elongation	00238	M31-T244
Carbon-Steel Bars: Gap	00275	M31-T244
Carbon-Steel Bars: Ultimate Tensile Strength	00001	M31-T244
Carbon-Steel Bars: Weight Per Unit Length	00276	M31-T244
Carbon-Steel Bars: Yield Strength	00239	M31-T244
Deformed Steel Wire: Ultimate Tensile Strength	00279	M336-T244
Plain Steel Wire: Ultimate Tensile Strength	00284	M336-T244
Weld. Deform. Stl. Wire: Ultimate Tensile Strength	00282	M336-T244
Welded Deformed Steel Wire: Weld Shear	00281	M336
Welded Plain Steel Wire: Ultimate Tensile Strength	00283	M336-T244
Welded Plain Steel Wire: Weld Shear	00280	M336

Quality Management System (QMS) for Materials Division

Oklahoma DOT Central Laboratory Technician Evaluation Checklists

Portland Cement Concrete

CLab Test (CLT)	CLT I.D.	Specifications
Air Content by Volumetric	00028	T196 C173
Air Content	00036	T152 C231
Capping Cylinders (7000 psi and below)	00132	T231 C617
Compressive Strength Cylinders	00040	T22 C39
Density, Yield and Air Content	00023	T121 C138
Drilled Cores and Sawed Beams	00041	T24 C42
Flexural Strength	00045	T97 C78
Freeze Thaw (Method A)	00044	T161
Making and Curing Field Specimens	00039	R100 C31
Making and Curing Lab Specimens	00125	R39 C192
Measuring Length of Concrete Cores	00272	C1542
Resonant Frequencies of Concrete	00185	C215
Sampling Freshly Mixed Concrete	00027	R60 C172
Slump	00024	T119 C143
Temperature	00003	T309 C1064
Unbonded Cylinder Caps (7000 psi and below)	00022	C1231