



ADVANCED TERRA TESTING

2021 PROCEDURES

ADVANCED TERRA TESTING

303-232-8308 833 PARFET ST. UNIT A LAKEWOOD CO 80215 www.terratesting.com

MATERIALS TESTING

Aggregate

Standard	Description	Notes
ASTM C566 AASHTO T255	Aggregate Moisture Content	
ASTM C29 AASHTO T19	Aggregate Bulk Density	
ASTM C1252 AASHTO T304	Fine Aggregate Void Content	
ASTM D4791	Flat and Elongated Particles	
ASTM C127 AASHTO T85	Coarse Aggregate Specific Gravity and Absorption	
ASTM C128 AASHTO T84	Fine Aggregate Specific Gravity and Absorption	
ASTM C142 AASHTO T112	Clay and Friable Particles	
ASTM C136 AASHTO T27	Grain Size Analysis (3" to Minus #200)	
ASTM C117 AASHTO T11	Percent Fines (Minus #200)	
ASTM D2419 AASHTO T176	Sand Equivalence	
ASTM C123 AASHTO T113	Light Weight Particles	Specific Gravity of 2.0
ASTM D5821	Percent Fractured Faces	
ATT MP-51	Sand Castle Test	Based on Geotechnical Testing Journal Vol 35 No 4 Method C

Abrasion And Degradation

Standard	Description	Notes
ASTM C131 AASHTO T96	LA Abrasion - Small Size Coarse Aggregate	
ASTM C535	LA Abrasion - Large Size Coarse Aggregate	Rock and Large Aggregate
ASTM C1747	LA Abrasion - Concrete	
ASTM C88 AASHTO T104	Sulfate Soundness	Price for Coarse or Fine Aggregate
ASTM D559	Wet / Dry	Includes 12 Cycles
ASTM D560	Freeze / Thaw	Includes 12 Cycles
ASTM D6928	Micro-Deval (Coarse Aggregate)	
ASTM D7428	Micro-Deval (Fine Aggregate)	
AASHTO T103	Aggregate Freeze Thaw	Includes 12 cycles (\$15 for each additional cycle)

Concrete

Standard	Description	Notes
ASTM C39 AASHTO T22	Concrete Compressive Strength (Per Break)	Sample Capped
ASTM C1231 AASHTO T22	Concrete Compressive Strength (Capped / Per Break)	
ASTM C109	Compressive Strength (Per Break)	2" Cubes
ASTM C42	Compressive Strength of Concrete Core	
ASTM C78	Flexural Strength (Per Break)	
ASTM C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	
ASTM C496	Splitting Tensile Strength of Cylindrical Concrete	
ASTM D2936 Modified	Direct Tensile Strength of Concrete Cylinder	
ASTM C805	Schmidt Rebound Hardness	
ASTM C1293	Length Change Due to Alkali-Silica Reaction	Up to 12 months
ASTM C1260	Potential Alkali Reactivity of Aggregates	14 Day Test
ASTM C1567	Potential Alkali Silica Reactivity of Combined Aggregate / Cement Materials	14 Day Test
ASTM C940	Grout Expansion and Bleeding	
ASTM C1749	Rheological Properties of Hydraulic Paste	300 and 600 rpm tests
ASTM C191 / C953	Time of Setting Hydraulic Cement by Vicat Needle	
ASTM C293	Single Point Flexural Strength (Per Break)	
ASTM C672	Concrete Scaling Test	
ASTM C192 / C1077	Concrete Mix Conformance	Per Batch, Includes: Slump, Air Entrainment, Concrete Temperature, Bulk Density, and Making Cylinders.
ASTM C1314	Masonry Prism Compressive Strength	

Asphalt

Standard	Description	Notes
ASTM D6307 AASHTO T308	Asphalt Content By Ignition Oven	Includes GSA (ASTM C136)
ASTM D2041 AASHTO T209	Maximum Theoretical Specific Gravity	
ASTM D2726 AASHTO T166	Bulk Density	
ATT MP-39	Rigden Voids Content	

Samples are held for 60 days after testing is completed. After 60 days samples will be discarded if prior arrangements have not been made.

A 1.5 multiplier will be applied to all contaminated or hazardous materials (chemical, radiological, or biological).

A 1.5 multiplier will be applied to all samples received under our foreign import license, and will be oven dried before leaving the facility.

A 1.1 multiplier will be applied to all core samples with a diameter larger than 2.5 inches.

Core drilling block samples will be billed at a rate of \$90 per hour.

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

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