



## List of Services

<b><i>Routine Testing for Evaluation, Diagnostics, R&amp;D, Golf Courses, Sports Fields, Landscapes</i></b>		
<b>Test Name</b>	<b>Typical Turnaround Time</b>	<b>Description</b>
Particle Size Analysis (PSA)	1 – 3 days	Sand, Silt, and Clay Contents, Sand Distribution, Shape, Acid reaction, Uniformity Coefficient, D15, D85
USGA Physical Evaluation Submitted Sand or Mix	2 – 4 days	K-SAT, Particle Density, Bulk Density, Porosities, Organic Matter (if applicable), pH
USGA Physical Evaluation Lab Prepared Mix(es)	2 – 4 days	K-SAT, Particle Density, Bulk Density, Porosities, Organic Matter (if applicable), pH, Yield Estimate
Gravel/Choker Distribution	0 – 2 days	Aggregate Size Distribution
Organic Matter Content	0 – 2 days	Walkley-Black Method
Organic Amendment Evaluation	2 – 4 days	Total Ash, Organic Matter, % Moisture, Dry Sieve, pH, Electrical Conductivity
Total Ash/Organic Matter Content	1 – 2 days	Combustion Method/Loss on Ignition
Peat Sieve Analysis	1 – 2 days	Dry Sieve
Electrical Conductivity & pH	0 – 2 days	Soluble Salt Concentration & pH
Water Release Characterization	1 – 2 weeks	Water Release Curve, Bulk Density, Particle Density, Total Pore Space, Capillary and Noncapillary Porosity
Infiltration Rate	1 – 3 days	Saturated Hydraulic Conductivity (K-SAT), Bulk Density
Bunker Series	1 – 3 days	Fried-egg Lie, Crusting, Set-up, Color, Shape
Complete Bunker Evaluation	2 – 4 days	PSA, K-Sat, Fried-egg Lie, Crusting, Set-up, Color, Shape
Topdress Evaluation with or without organic	2 – 4 days	Particle size, Acid reaction, pH, Organic Matter (if applicable)
USDA Texture	2 – 3 days	% Sand, Silt & Clay
Sand Dry Sieve	0 – 2 days	Sand Size Distribution
Sulfate Soundness	1 – 2 weeks	Sodium Sulfate Soundness
Particle Density	1 – 2 days	For Soil, Sand or Amendment
Warning Track	1 – 2 days	Size Distribution
Peat Fiber Test	1 – 2 weeks	Fiber Content by ASTM D1997-91
Percent Grids	0 – 2 days	By weight
Compost Maturity	1 – 3 days	Solvita
Proctor Test	4 – 7 days	Standard or Modified Compaction
Granular Drainage Layers – Green Roof	3 – 5 days	ASTM E2396 – Water Permeability Falling Head Method
Geocomposite Drain Layers – Green Roof	3 – 5 days	ASTM E2398 – Water Capture and Media Retention
Green Roof Systems	3 – 5 days	ASTM E2397 and E2399 – Media Densities, Water Permeability & Retention, Dead Loads, Live Loads, etc.
Synthetic Turf Subgrade Testing	0 – 2 days	Base Stone/Top Stone Gravel Distribution, D-factors
Field Hardness Testing	On site test	GMax by ASTM F355

### ***Quality Control Testing - QC Samples have Priority Turnaround***

<b>Test Name</b>	<b>Typical Turnaround Time</b>
Organic Matter	Same day as received – Rush Testing
Gravel Distribution or Choker Distribution	Same day as received – Rush Testing
Particle Size	1 day – Rush Testing
Infiltration Rate	1 day – Rush Testing
Bulk Density (Rootzone Mix Inorganic Amendment Quantitation)	1 day – Rush Testing
Base Stone/Top Stone	1 day – Rush Testing
USGA Performance	2 days – Rush Testing

Note: Although we do our best to perform tests as quick as possible, turnaround times are not guaranteed and may vary due to circumstances beyond the control of the laboratory.