

BENCHMARK GEOTECHNICAL LABS



2026 FEE SCHEDULE

Prices valid until Jan. 1, 2027

170 Old Enfield Rd.
Belchertown, MA 01007
CELL 413-252-9412
or 503-917-8096

peter@benchmarkgeolabs.com

www.benchmarkgeolabs.com

CLASSIFICATION & INDEX (X)			TORSIONAL RING SHEAR (RS)		
<u>Atterberg Limits</u> (ASTM D4318)	<u>UNIT PRICE</u>	<u>TEST #</u>	<u>Residual Shear Strength</u> (ASTM D6467)	386/point	RS1
PI Dry (BGL default)	155	X1	<u>Fully Softened Strength</u> (ASTM D7608)	386/point	RS2
PI Wet Prep	241	X2	<u>Residual and Fully Softened Strength</u>	737/point	RS3
<u>Moisture (MC)</u> (ASTM D2216)	22	X3	VOLUME CHANGE/EXPANSION (V)		
<u>Moisture & Density</u> (ASTM D7263b)			<u>Consolidation</u> (ASTM D2435A)		
MD, 2-2.5" diameter	32	X4-2.5	Incl. full curve w/ time rate readings until final rebound	480	V1
MD 3" diameter	46	X4-3	<u>Consol rebound-reload pt.</u>	51/point	V2
MD 4" diameter	117	X4-4	<u>Shrink-Swell w/ Expansion-Pressure Curve</u> (ASTM D3877m)	363	V3
MD 6" diameter	188	X4-6	This method was originally intended for lime-treated soils but works well on untreated soils.		
<u>Chunk Density</u> (ASTM D7263a)	113	X5	Air-dry specimen prior to test - add	36	V3-air dry
<u>Particle Size Analysis</u> (ASTM D422)			<u>Exp. Press.</u> (ASTM D3877m)	200	V4
Sieve -3/4"	131	X6	Multi-point expansion pressure curve to free swell.		
Bulk Sieve Charge +3/4"(if gravelly or >5Kg)	Add 96	X7	<u>Shrink Swell (SS)</u> (ASTM D3877m)	200	V5
Sieve + Hydrometer (Gs run separately)	227	X8	Multi-point volume change curve including field, saturated, air dry and oven dry conditions.		
<u>#200 Wash</u> (ASTM D1140)	100	X9	<u>Expansion Index</u> (ASTM D4829)	337	V6
<u>Specific Gravity</u> (Particle Density)			<u>One-D. Swell/Collapse of Soils</u> (ASTM D4546)		
(ASTM D854) - #4 Sieve	100	X10	Part A (4 pt. curve, loaded then wetted)	1123	V7-A
(ASTM C127) + #4 Sieve	150	X11	Part B (rebound-reload)	374	V7-B
<u>Porosity</u>			Part C (wetted-loaded)	493	V7-C
Total Porosity (ASTM D7263)	137	X12	<u>% Collapse</u> (ASTM D5333)	225	V8
Effective Porosity (ASTM D7263 mod)	320	X13	<u>Triaxial Ko Consolidation (2-3" dia.)</u>	805	V9
<u>Organic Content (TOC)</u> (ASTM D2974)	94	X14	HYDRAULIC CONDUCTIVITY (H)		
<u>Fraction Organic Carbon (FOC)</u>			<u>Falling Head</u> (ASTM D5084) (2-3" dia.)	405	H1
By Walkley Black (subcontracted)	94	X15	<u>Constant Head</u> (ASTMD2434) (3" dia./6" dia)	405/561	H2/H2-6
DENSITY (D)			THERMAL CONDUCTIVITY (ASTM D5334) (T)		
<u>Standard Proctor</u> (ASTM D698)			As Received	231	T1
4- inch mold	396	D1	As Received and Oven-Dry	474	T2
6-inch mold	457	D2	4 Point curve from as-rctd to oven dry	948	T4
<u>Modified Proctor</u> (ASTM D15570)			5 Point curve from as-rctd to oven dry	1185	T5
4- inch mold	396	D3	6 Point curve from as-rctd to oven dry	1422	T6
6-inch mold	457	D4	CORROSIVITY/ Resistivity (C)		
Check point 4"/ 6" mold	129/141	D5/D6	<u>Package A</u> (pH, Cl, SO ₄ , 100% sat resist.)	262	C1
STRENGTH (S)			<u>Package B</u> (pH, Cl, SO ₄ , as-rctd. resist.)	262	C2
Note: Prices for 2-3" diameter samples unless noted			<u>Package C</u> (pH,Cl,SO ₄ , as-rctd. resist., orp)	317	C3
<u>Unconfined Compression</u> (ASTM D2166)	112	S1	<u>Package D</u> (pH,Cl,SO ₄ ,100% sat resist., orp)	317	C4
<u>TXUU</u> (ASTM D2850)	187	S2	<u>PG&E Pkg. (Package D plus Sulfide)</u>	386	C5
For back-pressure saturation add -	131	S2-A	<u>Resistivity-As Received Moist</u> (ASTM G57)	90	C6
<u>TX-ICU no pp</u> (ASTM D4767 modified)	299/point	S3	<u>Resistivity-100% Saturated</u> (ASTM G57)	90	C7
<u>TX-ICU no pp staged</u> -mod.D4767 (per 2or3 pts)	1198	S4	For larger-scale resistiity on gravelly soil add-	56	C7-A
<u>TX-ICU w/ pp</u> (ASTM D4767)	599/point	S5	<u>pH</u> (ASTM G51)	44	C8
<u>TX-ICU w/ pp staged</u> -mod.D4767 (per 2or3 pts)	1198	S6	<u>Sulfate</u> (SO ₄)(EPA 300.0)(subcontracted in part)	93	C9
<u>TX-ICD -drained</u>	780/point	S7	<u>Sulfide</u> (lead acetate paper)	56	C10
Effective confining press. for any triax (>50 psi) add -	94	S8	<u>Redox</u> (ORP)(ASTM G200)	62	C11
<u>Ko or Anisotropic Consolidation add-</u>	187/point	S9	<u>Chloride</u> (Cl) (EPA 300.0)(subcontracted in part)	93	C12
<u>4" Diameter Triaxial Testing add -</u>	465/point	S10			

Corrosion continued on next page.

CORROSIVITY/Resistivity (continued) (C)			WATER TESTS (W)		
IEEE std 81- Electrical Resistivity on Substation Aggregate			Total Suspended Solids (ASTM D3977b)	60	W1
Open/mixed Graded Agg. - remold by rodding	285	C13	Total Dissolved Solids (SM 2540C)	60	W2
Dense Graded Agg. or remold to specific dens./moist	405	C14	Total Solids (SM 2540B)	60	W3
Open/mixed Graded 4 pt test on one specimen	405	C15	Particle Size Distribution (ASTM D3977c modified) - Call lab before testing	374	W4
ENVIRONMENTAL TESTING (E)			ROCK/AGGREGATE TESTING (R)		
Hydrogeology Option # 1 - Includes:	905	E1	Slake Durability (ASTM D4644)	250	R1
Effective Porosity (ASTM D6836m)			LIME/CEMENT TREATING (LC)		
Total Porosity (Øt) (ASTM D7263)			Atterberg Limits - add	54	LC1
Grain Density (ASTM D854)			Compaction - add	118	LC2
Moisture Content (ASTM D2216)			Soil-Lime Proportion (ASTM D6276)	349	LC3
Volumetric Water Content (Øw)			A 6-point curve to determine the optimum lime content for lime treatment.		
Volumetric Air Content (Øa)			OTHER (O)		
Bulk Density (ps) Wet & Dry D2937			Remolding	87	O1
Hydraulic Conductivity (3" dia.)(ASTM D5084) or D2434 based on material type)			Before and/or After Test Photos	61	O2
Grain Size Distribution (ASTM D422)			Sample Pick-up (50 mile radius)	109	O3
Soil Classification by USCS, USDA Classification by request			No charge for local pickup on jobs over \$2500	62	
Hydrogeology Option # 2 - Includes:	761	E2	Insufficient Sample Charge - Add	62	O4
Total Porosity (Øt) (ASTM D7263)			Total Solids for Sediments	46	O5
Grain Density (ASTM D854)			Double Hydrometer (ASTM D4221 & D422)	474	O6
Moisture Content (ASTM D2216)			Logging of Shelby Tube	142	O7
Volumetric Water Content (Øw)			Lead Shot Characterization - Call for quote		O8
Volumetric Air Content (Øa)			Zerovalent Iron Quant. for Perm. Reactive Barriers - per 4" sample:		
Bulk Density (ps) Wet & Dry D2937			Gravimetric analysis with magnetic separation. (for uncoated iron)	237	O9
Hydraulic Conductivity (3" dia.)(ASTM D5084) or D2434 based on material type)			Gravimetric Loss On Ignition (for iron coated with GAC) - add	94	O10
Grain Size Distribution (ASTM D422)			Junior Technician Time, hourly	156	O11
Soil Classification by USCS, USDA Classification by request			Senior Technician Time, hourly	193	O12
Vadose Zone Option # 1 - Includes:	1098	E3	Principal Time, hourly	237	O13
Air Permeability (in-situ moisture)(subcontracted)			Witness Testing, per person, per hr.	100	O14
Total Porosity (Øt) (ASTM D7263)			Sample Preparation over #200 Sieve	62	O16
Grain Density (ASTM D854)			Fiber Content of Peat (ASTM D1997)	250	O17
Moisture Content (ASTM D2216)			Humification of Peat (ASTM D5715)	187	O18
Volumetric Water Content (Øw)			Rush Testing		
Volumetric Air Content (Øa)			Rush - Priority given	Add	50%
Bulk Density (ps) Wet & Dry D2937			Super Rush - Dedicated technician	Add	100%
Grain Size Distribution (ASTM D422)			CONTAMINATED SOILS		
Soil Classification by USCS, USDA Classification by request			Contaminated soils are accepted on a limited basis and only after review with client. Please call us to discuss options.		
Vadose Zone Option # 2 - Includes:	363	E4		Add	O15 50%
Total Porosity (Øt) (ASTM D7263)			OUR POLICIES		
Grain Density (ASTM D854)			Benchmark's payment terms are Net 30 on all invoices. Clients will be required to sign our Client Services Agreement. Subcontractor Agreements should be submitted seven (7) days prior to the commencement of testing for review and approval.		
Moisture Content (ASTM D2216)			Benchmark does not accept jobs with "pay when paid" terms or with 3rd party billing. Please call to discuss payment terms.		
Volumetric Water Content (Øw)			Benchmark Geolabs takes no liability or responsibility for samples left in storage after the completion of testing. All remaining samples will be discarded after 30 days unless arrangements are made for pick-up. We do not offer long-term storage of tested samples over 30 days from the date of final report unless specifically requested in writing on a project-by project basis.		
Volumetric Air Content (Øa)					
Bulk Density (ps) Wet & Dry D2937					
Grain Size Distribution (ASTM D422)					
Soil Classification by USCS, USDA Classification by request					
Air Permeability (ASTM D6539)					
Effective (in-situ moist.) subcontracted	749	E5			