

BENCHMARK GEOTECHNICAL LABS



2025 FEE SCHEDULE

Prices valid until Jan. 1, 2026

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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	266	D1	As Received and Oven-Dry	474	T2
6-inch mold	322	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	266	D3	6 Point curve from as-rctd to oven dry	1422	T6
6-inch mold	322	D4	CORROSIVITY (C)		
Check point 4"/ 6" mold	71/82	D5/D6	<u>Package A</u> (pH, Cl, SO ₄ , 100% sat resist.)	257	C1
STRENGTH (S)			<u>Package B</u> (pH, Cl, SO ₄ , as-rctd. resist.)	257	C2
Note: Prices for 2-3" diameter samples unless noted			<u>Package C</u> (pH,Cl,SO ₄ , as-rctd. resist., orp)	312	C3
<u>Unconfined Compression</u> (ASTM D2166)	112	S1	<u>Package D</u> (pH,Cl,SO ₄ ,100% sat resist., orp)	312	C4
<u>TXUU</u> (ASTM D2850)	187	S2	<u>PG&E Pkg. (Package D plus Sulfide)</u>	381	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	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 large-scale resistiity on gravelly samples add-	56	C7-A
<u>TX-ICU w/ pp</u> (ASTM D4767)	599	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)	87	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)	87	C12
<u>4" Diameter Triaxial Testing add -</u>	465/point	S10			

ENVIRONMENTAL TESTING (E)				WATER TESTS (W)		
Hydrogeology Option # 1 - Includes:	905	E1		Total Suspended Solids (ASTM D3977b)	60	W1
Effective Porosity (ASTM D6836m)				Total Dissolved Solids (SM 2540C)	60	W2
Total Porosity (Øt) (ASTM D7263)				Total Solids (SM 2540B)	60	W3
Grain Density (ASTM D854)				Particle Size Distribution (ASTM D3977c modified) - Call lab before testing	374	W4
Moisture Content (ASTM D2216)				ROCK/AGGREGATE TESTING (R)		
Volumetric Water Content (Øw)				Slake Durability (ASTM D4644)	250	R1
Volumetric Air Content (Øa)				LIME/CEMENT TREATING (LC)		
Bulk Density (ps) Wet & Dry D2937				Atterberg Limits - add	54	LC1
Hydraulic Conductivity (3" dia.)(ASTM D5084) or D2434 based on material type)				Compaction - add	118	LC2
Grain Size Distribution (ASTM D422)				Soil-Lime Proportion (ASTM D6276)	349	LC3
Soil Classification by USCS, USDA Classification by request				A 6-point curve to determine the optimum lime content for lime treatment.		
Hydrogeology Option # 2 - Includes:	761	E2		OTHER (O)		
Total Porosity (Øt) (ASTM D7263)				Remolding	87	O1
Grain Density (ASTM D854)				Before and/or After Test Photos	61	O2
Moisture Content (ASTM D2216)				Sample Pick-up (50 mile radius)	109	O3
Volumetric Water Content (Øw)				No charge for local pickup on jobs over \$2500	62	
Volumetric Air Content (Øa)				Insufficient Sample Charge - Add	62	O4
Bulk Density (ps) Wet & Dry D2937				Total Solids for Sediments	46	O5
Hydraulic Conductivity (3" dia.)(ASTM D5084) or D2434 based on material type)				Double Hydrometer (ASTM D4221 & D422)	474	O6
Grain Size Distribution (ASTM D422)				Logging of Shelby Tube	112	O7
Soil Classification by USCS, USDA Classification by request				Lead Shot Characterization - Call for quote		O8
Vadose Zone Option # 1 - Includes:	1098	E3		Zerovalent Iron Quant. for Perm. Reactive Barriers - per 4" sample:		
Air Permeability (in-situ moisture)(subcontracted)				Gravimetric analysis with magnetic separation. (for uncoated iron)	237	O9
Total Porosity (Øt) (ASTM D7263)				Gravimetric Loss On Ignition (for iron coated with GAC) - add	94	O10
Grain Density (ASTM D854)				Junior Technician Time, hourly	156	O11
Moisture Content (ASTM D2216)				Senior Technician Time, hourly	193	O12
Volumetric Water Content (Øw)				Principal Time, hourly	237	O13
Volumetric Air Content (Øa)				Witness Testing, per person, per hr.	100	O14
Bulk Density (ps) Wet & Dry D2937				Sample Preparation over #200 Sieve	62	O16
Grain Size Distribution (ASTM D422)				Fiber Content of Peat (ASTM D1997)	250	O17
Soil Classification by USCS, USDA Classification by request				Humification of Peat (ASTM D5715)	187	O18
Vadose Zone Option # 2 - Includes:	363	E4		Rush Testing		
Total Porosity (Øt) (ASTM D7263)				Rush - Priority given	Add	50%
Grain Density (ASTM D854)				Super Rush - Dedicated technician	Add	100%
Moisture Content (ASTM D2216)				CONTAMINATED SOILS		
Volumetric Water Content (Øw)				Contaminated soils are accepted on a limited basis and only after review with client. Please call us to discuss options.		
Volumetric Air Content (Øa)					Add	O15 50%
Bulk Density (ps) Wet & Dry D2937				OUR POLICIES		
Grain Size Distribution (ASTM D422)				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.		
Soil Classification by USCS, USDA Classification by request				Benchmark does not accept jobs with "pay when paid" terms or with 3rd party billing. Please call to discuss payment terms.		
Air Permeability (ASTM D6539)				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.		
Effective (in-situ moist.) subcontracted	749	E5				