How to contact us

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Birmingham Office

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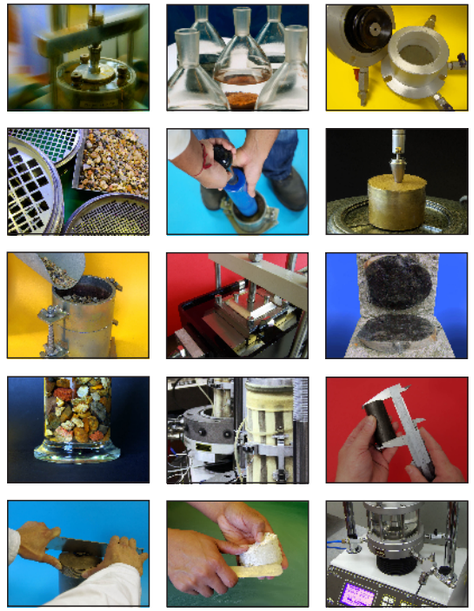
Where to find our Head Office

(for **Birmingham Office**, please click **'Contact'** on web site)

GEOLABS®

Quick Reference Price List 2020



www.geolabs.co.uk

Material Requirements

Water Content	Up to 2mm	100g
	Up to 10mm	500g
	Up to 31.5mm	3kg
	Up to 63mm	21kg
SMC (Saturation MC)	Intact chalk lump >100mm	
Liquid & Plastic Limits	Sufficient for 300g passing 0.425mm sieve	
Bulk & Dry Densities:	Ideally > 1kg of intact material (not suitable for loose granular)	
Particle Density:	Pyknometer 50g	
	Gas Jar - fine grained 400g	
	Gas Jar - coarse grained 800g	

Particle Size Distribution (PSD)
For not more than 10% of the following sizes or larger, use the corresponding sample mass:

63mm - 50 kg	20mm - 2kg	6.3mm - 200g
50mm - 35kg	14mm - 1kg	3.35mm - 150g
37.5mm - 15kg	10mm - 500g	smaller - 100g
28mm - 6kg		

Compaction

If affected by crushing	15kg if less than 5% >20mm
	40kg if more than 5% >20mm
Not affected by crushing	6kg if less than 5% >20mm
	15kg if more than 5% >20mm

Sand: Max Density 6kg, Min Density 2 kg
Gravelly Soil: Max Density 16kg, Min Density 10kg

MCV single point	4kg
MCV Calibration	4 kg (15kg if crushable)
CBR	6kg for remould, or **full** mould
Oedometer and Rowe (Hydraulic) Cell	Undisturbed 1/2 diameter long (usually 76mm diameter)

Triaxial Strength Tests (per specimen, x3 for set)
Undisturbed to give 2:1 Height:Dia (38,70,100mm dia)
Remould **38mm**: 200g of <6mm **100mm**: 4kg of <20mm

Permeability Tests
CH in **Triaxial** Cell 100mm dia 1:1 H:D, or 2kg <8mm
CH in **Permeameter** 2kg <6.3mm or 6kg <10mm
Horizontal Permeameter 200kg <37.5mm

Shearbox (per specimen, x3 for set)
Small to give 60x60x20mm prepared, or 200g <2mm
Large to give 300x300x150mm prepared, or 30kg<20mm
Ringshear 200g <2mm

Quick Reference Price List – 2020

Please see our full price list or web site for test methods, terms and conditions. All prices exclude VAT. EO=Extra Over Item

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Classification

Moisture Content	£ 5.25
Saturation Moisture Content	£ 21.00
Plasticity Index (excl. NMC, 4 point)	£ 28.50
Plasticity Index (excl. NMC, 1 point)	£ 23.50
Linear Shrinkage	£ 19.50
Bulk & Dry Density (direct)	£ 12.50
Bulk & Dry Density (immersion)	£ 20.50
Particle Density (pyknometer)	£ 26.80
Dry Sieve	£ 25.00
Wet Sieve	£ 30.00
+ EO MA by Pipette	+ £ 28.50
+ EO MA by Hydrometer	+ £ 42.00
Desiccation (filter paper suction)	£ 38.00
+ EO remould at NMC	+ £ 8.30

Compaction

2.5 kg in Proctor	£ 78.00
2.5 kg in CBR	£ 88.00
4.5 kg in Proctor	£ 88.00
4.5 kg in CBR	£ 97.00
Vibro Compaction	£ 98.00
Maximum Density	£ 36.50
Minimum Density	£ 21.00
MCV (1 point at NMC)	£ 36.00
MCV Calibration (5 points)	£ 88.00
CBR	£ 41.50
+ EO remould	+ £ 26.00
+ EO soaking (up to 5 days)	+ £ 28.00
Chalk Crushing Value (6 points)	£ 89.00
Chalk Crushing Value (1 point)	£ 36.00

Miscellaneous

Specimen Photography (per image)	£ 16.00 / ea
Thermal Conductivity (undisturbed)	£ 80.00
Custom reporting, incl. electronic data *from*	£ 25.00 / hr

Quick Undrained Triaxial

UCS (on soil)	£ 21.00
Quick Undrained (single stage)	£ 27.00
Quick Undrained (multi stage)	£ 29.00
Remoulding charges – dependent upon specimen size	
Quick Undrained (38mm set of 3)	£ 46.50
+ EO remould at NMC (per set of 3 x 38mm)	£ 18.00

Effective Stress *(all prices **per specimen**)*

[Note: Consolidated Drained/Undrained and single/multi stage are all the same price]

Isotropically Consolidated (up to 4 days, minimum 1 day/stage)	£ 155.00
+ EO extra days	+ £ 30.00 / day
Remoulding charges – dependent upon specimen size	

Mid-height PWP, Stress Path, Local Strain, Piezo Bender, CRS, DSS etc. please call

Permeability and Durability

Constant Head Permeability in a **Triaxial** Cell	
[for low permeability] (up to 4 days)	£ 99.00
+ EO extra days	+ £ 30.00 / day
Remoulding charges – dependent upon specimen size	
Constant Head Permeability in a **Permeameter**	
[for high permeability] (up to 4 days) (includes remoulding)	£ 140.50
Horizontal Permeability (HA41/90)	£ 300.00
[for high permeability, price includes remoulding]	
Hydraulic (Rowe) Cell Permeability (up to 4 days)	
[permeability determination only, does not include Mv or Cv determination - please see Consolidation section if this is required]	
up to 100mm diameter	£ 320.00
up to 250mm diameter	£ 360.00
+ EO extra days	£ 30.00 / day
Remoulding charges – dependent upon specimen size	
Pinhole (includes remoulding)	£ 94.00

Consolidation

Oedometer Consolidation (up to 5 days, minimum 1 day/stage)	£ 80.00
+ EO swelling pressure	+ £ 21.00
+ EO extra days	+ £ 18.00 / day
Oedometer Swelling Test (up to 5 days, minimum 1 day/stage)	£ 88.00
+ EO extra days	+ £ 18.00 / day
Isotropic in Triaxial Cell (up to 4 days)	£ 200.00
+ EO extra days	+ £ 30.00 / day
Hydraulic (Rowe) Cell Consolidation (up to 4 days)	
[provides Mv and Cv determination - permeability stages can be added as required and charged for just by the extra days incurred]	
up to 100mm diameter	£ 320.00
up to 250mm diameter	£ 360.00
+ EO extra days	£ 30.00 / day

Remoulding charges – dependent upon specimen size

Constant Rate of Strain (CRS) please call

Shearbox *(all prices **per specimen**)*

60mm Small Shearbox (up to 1 day)	£ 42.00
+ EO extra days	+ £ 23.50 / day
+ EO sample preparation, if required (includes screening, mixing to MC, etc	+ £ 8.00 / spec
300mm Large (up to 1 day)	£ 100.00
+ EO remould at NMC	+ £ 40.00
+ EO remould to specified MC	+ £ 50.00
+ EO extra days	+ £ 60.00 / day
Ring Shear (up to 4 days, incl. prep.)	£ 165.00
+ EO extra days	+ £ 23.00 / day

(usually 2 extra days required for 3 pressures)

Rock Testing

UCS (including end preparation but not recoring)	£55.00
+ EO Young's Modulus (up to 3 cycles)	£ 73.00
+ EO YM & Poisson's Ratio	£119.00
+ EO Recore (per specimen)	£20.00
Slake Durability (2 cycles)	£ 55.00
Mohr's Hardness (Scales 3 to 9)	£ 42.50
Point Load Test (per determination)	£ 7.00
Point Load Test (set of 10)	£ 50.00
Tensile Strength by Brazilian	£ 65.00
Sound Velocity (P & S waves)	£ 45.00
Sound Velocity (P wave only)	£ 38.00
Rock Triaxial (w/out PWP, 1 stage)	£ 181.00
+ EO additional confining pressures	+ £ 31.00 / ea
+ EO recoring to 38, 54 or 76mm	+ £ 20.00
Direct Shear of Rock Discontinuity in modified 300mm Shearbox (1 specimen up to 1 day) *[includes trimming, encapsulation and single shear run]*	£ 220.00
+ EO extra specimens [of same sample]	+ £ 100.00 / ea
+ EO extra rapid residual stage	+ £ 20.00 / ea
+ EO extra days *[includes slow residual]*	+ £ 80.00 / day
+ EO Recore from block sample	+ £ 20.00 / ea

Chemical Testing

pH	£ 3.00
Sulphate - Total	£ 6.00
Sulphate - Water Soluble	£ 6.00
Sulphate - Groundwater	£ 6.00
Organic Content	£ 8.00
Loss on Ignition	£ 7.00
Carbonate	£ 13.50
Total Sulphur	£ 9.90
BRE SD1 Suites A to D	please call
Resistivity	£ 73.00
+ EO remoulding	£ 15.50