

**SINGAPORE LABORATORY  
ACCREDITATION SCHEME**



# Schedule

Geo Lab (S) Pte Ltd  
15 Kaki Bukit Rd 4  
Bartley Biz Centre  
#01-42  
Singapore 417808

Certificate No. : LA-2011-0501-B-1

Issue No. : 4

Date : 01 August 2022

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FIELD OF TESTING : Civil Engineering Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
<b>A SOIL</b>	1. Determination of Moisture Content by Oven-Drying Method	BS 1377 : Part 2 : 1990 : 3.2 ISO 17892-1 : 2014
	2. Determination of the Plastic Limit and Plasticity Index	BS 1377 : Part 2 : 1990 : 5 ISO 17892-12 : 2018 ASTM D4318-17
	3. Determination of Particle Density by Gas Jar Method	BS 1377 : Part 2 : 1990 : 8.2
	4. Determination of Particle Size Distribution by (a) Wet Sieving Method (b) Dry Sieving Method (c) Sedimentation by the Hydrometer Method	BS 1377 : Part 2 : 1990 : 9.2 BS 1377 : Part 2 : 1990 : 9.3 BS 1377 : Part 2 : 1990 : 9.5 ISO 17892-4:2016
	5. Determination of the one-dimensional Consolidation Properties	BS 1377 : Part 5 : 1990 : 3 ISO 17892-5:2017
	6. Determination of the Unconfined Compressive Strength	BS 1377 : Part 7 : 1990 : 7 ISO 17892-7:2017
	7. Determination of the Undrained Shear Strength in Triaxial Compression without Measurement of Pore Pressure	BS 1377 : Part 7 : 1990 : 8 ISO 17892-8:2018
	8. Determination of the Liquid Limit	BS 1377 : Part 2 : 1990 : 4 ISO 17892-12:2018 ASTM D4318-17
	9. Consolidated-Undrained Triaxial Compression Test with Measurement of Pore Pressure	BS 1377 : Part 8 : 1990 : 7 ISO 17892-9:2018

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MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
<b>B. ROCK</b>	10. Consolidated-Drained Triaxial Compression Test with Measurement of volume change	BS 1377 : Part 8 : 1990 : 8 ISO 17892-9:2018
	11. Determination of Permeability by Falling-Head Method	K.H. Head Vol. 2
	12. Determination of particle density (small pyknometer method)	BS 1377 : Part 2 : 1990 : 8.3 ISO 17892-3:2015
	13. Determination of Dry/ Density moisture Content relationship	BS 1377: Part 4:1990
	14. Determination of Ph Value	BS 1377:Part 3:1990
	15. Determination of Permeability by the Constant Heads Method	B.S.1377: PART 5: 1990: 5.0
	1. Point Load Test	International Society for Rock Mechanism (ISRM) 2 <sup>nd</sup> Re-draft- March 1984 ASTM D5731-16
2. Unconfined Compressive Strength of Intact rock core specimen	ASTM D7012:10	

## Approved Signatories

S/N	Name	Scope
1.	Ms San San Aye	- all tests
2.	Mr Win Htet	- All tests

## Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.