

**SINGAPORE LABORATORY  
ACCREDITATION SCHEME**



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

# Schedule

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

Issue No. : 6

Date : 03 April 2023

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FIELD OF TESTING : Civil Engineering Testing

MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES
<b>A. SOIL</b>	1. Determination of Moisture Content by Oven-Drying Method	BS 1377: Part 2:1990:3.2 BS 1377-2:2022 CL 4 ISO 17892-1: 2014
	2. Determination of Bulk Density using linear measurement method	BS 1377-2:2022 CL 8 ISO 17892-2:2014 CL 5.1
	3. Determination of the Plastic Limit and Plasticity Index	BS 1377: Part 2: 1990: 5 BS 1377-2:2022 CL 6 ISO 17892-12: 2018 ASTM D4318-17
	4. Determination of Particle Density by Gas Jar Method	BS 1377: Part 2: 1990:5 BS 1377-2:2022 CL 9
	5. 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 BS 1377-2: 2022 CL 10 ISO 17892-4:2016
	6. Determination of the one-dimensional Consolidation Properties	BS 1377: Part 5: 1990: 3 BS 1377-2: 2022 CL 16 ISO 17892-5: 2017
	7. Determination of the Unconfined Compressive Strength	BS 1377: Part 7: 1990: 7 BS 1377-2: 2022: CL 27 ISO 17892-7:2017
	8. Determination of the Undrained Shear Strength in Triaxial Compression without Measurement of Pore Pressure	BS 1377: Part 7: 1990: 8 BS 1377-2:2022 CL 28 ISO 17892-8:2018
	9. Determination of the Liquid Limit	BS 1377: Part 2: 1990: 4 BS 1377-2:2022 CL 5 ISO 17892-12:2018 ASTM D4318-17

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MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES
<b>B. ROCK</b>	10. Consolidated-Undrained Triaxial Compression Test with Measurement of Pore Pressure	BS 1377: Part 8: 1990: 7 BS 1377-2:2022 CL 29 ISO 17892-9:2018
	11. Consolidated-Drained Triaxial Compression Test with Measurement of Volume Change	BS 1377: Part 8: 1990: 8 BS 1377-2:2022 CL 30 ISO 17892-9:2018
	12. Determination of Permeability by Falling-Head Method	K.H. Head Vol. 2
	13. Determination of particle density (Small Pycnometer method)	BS 1377: Part 2: 1990: 8.3 BS 1377-2:2022 CL 9 ISO 17892-3:2015
	14. Determination of Dry/ Density Moisture Content relationship	BS 1377: Part 4: 1990 BS 1377-2:2022 CL 11
	15. Determination of Ph Value	BS 1377: Part 3:2018
	16. Determination of Permeability by the Constant Heads Method	BS 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 D7012-14e

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## Approved Signatories

Ms. San San Aye      - All tests  
Mr. Win Htet      - All tests

## Note :

This laboratory is accredited in accordance with the recognized 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.