

Schedule

Lab Services Pte Ltd
29, Changi South Avenue 2
Singapore 486444

Certificate No. : LA-2001-0226-B
Issue No. : 27
Date : 17 October 2025
Expiry of Certificate : 24 October 2029
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FIELD OF TESTING : Civil Engineering Testing

MATERIALS / PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS / TECHNIQUES
A. Soils	A1. Moisture Content / Water Content	BS 1377: Part 2: 1990 BS 1377: Part 2: 2022 Clause 4.1 ISO 17892-1: 2014 ASTM D2216: 19
	A2. Liquid Limit	BS 1377: Part 2: 1990 BS 1377: Part 2: 2022 Clause 5 ISO 17892-12: 2018 ASTM D4318: 17
	A3. Plastic Limit & Plasticity Index	BS 1377: Part 2: 1990 BS 1377: Part 2: 2022 Clause 6 ISO 17892-12: 2018 ASTM D4318: 17
	A4. Density (Linear Measurement Method)	BS 1377: Part 2: 1990 BS 1377: Part 2: 2022 Clause 8 ISO 17892-2: 2014
	A5. Particle Density (Specific Gravity)	BS 1377: Part 2: 1990 BS 1377: Part 2: 2022 Clause 9 ISO 17892-3: 2015 ASTM D854: 23
	A6. Particle Size Distribution	BS 1377: Part 2: 1990 BS 1377: Part 2: 2022 Clause 10 ISO 17892-4: 2016
	A7. One Dimensional Consolidation (Oedometer)	BS 1377: Part 5: 1990 BS 1377: Part 2: 2022 Clause 16 ISO 17892-5: 2017 ASTM D2435/D2435M: 11(2020)

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MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES
A. Soils (continue)	A8. Unconfined Compressive Strength	BS 1377: Part 7: 1990 BS 1377: Part 2: 2022 Clause 27 ISO 17892-7: 2017 ASTM D2166/ D2166M-16
	A9. Unconsolidated Undrained Triaxial Compression Test without Pore Pressure Measurement	BS 1377: Part 7: 1990 BS 1377: Part 2: 2022 Clause 28 ISO 17892-8: 2018 ASTM D2850: 23
	A10. Consolidated Undrained/ Drained Triaxial Compression	BS 1377: Part 8: 1990 BS 1377: Part 2: 2022 Clauses 29/30 ISO 17892-9: 2018
	A11. pH Value	) BS 1377: Part 3: 2018
	A12. Sulphate Content	)
	A13. Chloride Content	)
	A14. Organic Matter Content	BS 1377: Part 3: 2018 ASTM D2974-20 ^{e1}
	A15. Dry Density/Moisture Content Relationship (Compaction)	BS 1377: Part 2: 2022 Clause 11 ASTM D698: 12 (2021) ASTM D1557: 12 (2021)
	A16. Falling Head Permeability	KH. Head Vol. 2 ISO 17892-11: 2019 BS 1377: Part 2: 2022 Clause 23
	A17. Determination of permeability in triaxial cell	BS 1377: Part 6: 1990 BS 1377: Part 2: 2022 Clause 23 ISO 17892-11: 2019
	A18. California Bearing Ratio (CBR)	BS 1377: Part 2: 2022 Clause 15 ASTM D1883: 21
	A19. Direct Shear Test	BS 1377: Part 2: 2022 Clause 25 BS 1377: Part 7 Test 4: 1990 ISO 17892-10: 2018 ASTM D3080/D3080M: 23
	A20. Soil Resistivity Test	BS 1377: Part 3 Test 13.5: 2018
	A21. Soil Thermal Conductivity Test	ASTM D5334: 22
	A22. Soil Thermal Resistivity Test	IEEE 442: 1981
	A23. Rapid Determination of carbonate Content of Soils	ASTM D4373: 21

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A. Soils (continue)	A24. Unconsolidated-Undrained Triaxial Compression with pore pressure measurement	BS 1377: Part 7/8: 1990-QM 2.14, Aug 2010
	A25. Constant Head Permeability	BS 1377: Part 5: 1990 BS 1377: Part 2: 2022 Clause 23 ISO 17892-11: 2019
	A26. Laboratory Vane	BS 1377: Part 7 :1990 BS 1377: Part 2: 2022 Clause 24
	A27. Consolidated Undrained Direct Simple Shear Test	ASTM D6528: 17
	A28. Cyclic Direct Simple Shear Testing	Norsok Standard G-001 (Rev.2, Oct 2004) – Test No. 4.6 ASTM D8296-19
	A29. Shell content of fine aggregate (Sand) by ignition method	SANS 5840: 2008
B. Ground Water	B1. pH Value	) BS 1377: Part 3: 2018))
	B2. Sulphate Content	
	B3. Chloride Content	
C. Rock	C1. Slake Durability Test	ASTM D4644: 16
	C2. Point Load Test	ASTM D5731: 16
	C3. Splitting Tensile Strength of Intact Rock Core Specimen	ASTM D3967: 23
	C4. Unconfined Compressive and Elastic Moduli of Intact Rock Core	ASTM D7012: 23 (Method C and D)
	C5. Determination of Abrasiveness of Rock using Cerchar Method	ASTM D7625: 22 ISRM: 2013
	C6. Triaxial Compressive Strength of Undrained Rock Core Specimens without Pore Pressure Measurements.	ASTM D7012: 23 (Method A)

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D. Hardened Concrete	D1. Compression Test on concrete cube/ core D2. Density Test on concrete cube/ core a) As-received density b) Water saturated density c) Oven-dried density	) BS EN 12504-1:2019) BS EN 12390-3:2019 BS EN 12390-7:2019

Approved signatories

Mr Tan Jui Kwang	- For all items
Mr Nyan Tun Lin Soe	- For all items
Ms Pa Pa Aung	- For all items

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.