

Schedule

SA Geolab International Pte Ltd
205 Kaki Bukit Avenue 1
Shun Li Industrial Park
Singapore 416037

Certificate No. : LA-2012-0520-B-3

Issue No. : 5

Date : 9 December 2024

Expiry Date : 30 May 2026

Page : 1 of 4

FIELD OF TESTING : Civil Engineering Testing

Withdrawn

MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS/ SPECIFICATIONS
A. SOIL	1. Moisture Content	ASTM D 2216: 2019 BS 1377-2 2022 BS EN 1997-2: 2007 BS EN ISO 17892-1: 2014
	2. Density	ASTM D 7263: 2021 BS 1377-2 2022 BS EN 1997-2: 2007 BS EN ISO 17892-2: 2014
	3. Unconfined Compression (UC)	ASTM D 2166: 2016 BS 1377-2: 2022 BS EN 1997-2: 2007 BS EN ISO 17892-7: 2018 EN ISO 19901-8 #F.2.15.6: 2015
	4. Unconsolidated Undrained (UU) Triaxial	ASTM D 2850: 2024 BS1377-2: 2022 BS EN 1997-2: 2007 BS EN ISO 17892-8: 2018 EN ISO 19901-8 #F.2.15.7: 2015
	5. Saturated Unconsolidated Undrained Triaxial	K.H. Head Vol. 3
	6. Consolidated Undrained (CU) Triaxial	ASTM D 4767: 2011 BS 1377-2: 2022 BS EN 1997-2: 2007 BS EN ISO 17892-9: 2018 EN ISO 19901-8 #F.4.6: 2015
	7. Consolidated Drained (CD) Triaxial	ASTM D 7181: 2020 BS 1377-8 #8: 1990 BS EN 1997-2: 2007 BS EN ISO 17892-9: 2018 EN ISO 19901-8: 2015 #F.4.6

Schedule



Certificate No. : LA-2012-0520-B-3

Issue No. : 5

Date : 9 December 2024

Page : 2 of 4

MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS/ SPECIFICATIONS
	8. Isotropic Consolidation using Triaxial Compression Test	BS 1377-2: 2022 BS EN ISO 17892-9 #6.4: 2018 ISO 19901-8 #F.4.5.2: 2015 EN ISO 19901 Part 8:2015 #F2.15.6
	9. Load-Controlled Cyclic Triaxial Strength of Soil	ASTM D5311 – 2013 EN ISO 19901-8 #F.4.7: 2015
	10. Determination of the Modulus & Damping properties of Soils using Cyclic Triaxial	ASTM D3999: 2011e1 EN ISO 19901-8:2015 #F.4.6 & #F.4.9
	11. Consolidated K_0 Undrained (CK_0U) Triaxial	EN ISO 19901-8:2015 #F4.5.3 & #F4.6
	12. Consolidated K_0 Drained (CK_0D) Triaxial	EN ISO 19901-8:2015 #F4.5.3 & #F4.6
	13. Consolidated Anisotropic Undrained (CAU) Triaxial	BS EN 1997-2: 2007 BS EN ISO 17892-9: 2018 EN ISO 19901-8:2015 #F4.5.3 & #F4.6
	14. Consolidated Anisotropic Drained (CAD) Triaxial	BS EN 1997-2: 2007 BS EN ISO 17892-9: 2018 EN ISO 19901-8:2015 #F4.5.3 & #F4.6
	15. Vertical Extension Triaxial	ASTM STP 977 EN ISO 19901-8 #F.4.6.1: 2015
	16. Bender Element Test	ASTM D8295: 2019 ISO 19901-8 #F.7: 2015
	17. Modulus and damping of soils via fixed-base resonant column device	ASTM D4015: 2021 EN ISO 19901-8:2015 #F.6
	18. Resilient Modulus of Soils & Aggregate Materials	AASHTO Designation T307-99: 2012
	19. Torsional Ring Shear Test (RS)	ASTM D 6467: 2021 BS EN ISO 17892-10: 2018 EN ISO 19901-8:2015 #F.5.3 ICP Design Methods for Driven Piles - Appendix A

Schedule



Certificate No. : LA-2012-0520-B-3

Issue No. : 5

Date : 9 December 2024

Page : 3 of 4

MATERIALS/ PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS/ SPECIFICATIONS
	20. Direct Shear (DS)	ASTM D 3080/3080M: 2023 BS 1377-2: 2022#25 K. H. Head Vol. 2 BS EN 1997-2: 2007 BS EN ISO 17892-10: 2018 EN ISO 19901-8: 2015 #F.5.4
	21. Direct Simple Shear (DSS)	ASTM D 6528: 2017 EN ISO 19901-8 #F.5.2.4: 2015
	22. Cyclic Direct Simple Shear (CDSS)	ASTM D8296: 2019 EN ISO 19901-8:2015 #F.5.2.5
	23. Consolidation – One Dimensional via Controlled Strain loading (CSL)	ASTM D4186/4186M: 2020 EN ISO 19901-8: 2015 #F.3.3
	24. Determination of Hydraulic Conductivity	ASTM D 5084: 2024 EN ISO 19901-8 #F.9: 2015
	25. Determination of Permeability in Triaxial Cell by Constant Head method (CH)	BS 1377-2: 2022 BS EN 1997-2: 2007 BS EN ISO 17892-11: 2019
	26. Maximum and Minimum Dry Densities of Granular Soils	ASTM D 4254: 2016 BS 1377-2: 2022
B. RADIOGRAPHY	1. X-Ray Radiography of Soil Samples	ASTM D4452/D4452M-22

Approved Signatories

Syed Ahmad Al-Habsyi

For all accredited tests

Abu Bakar Bin Ismail

For all accredited tests, except B1

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2017. A laboratory's fulfilment of the requirements of ISO/IEC 17025:2017 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 17025:2017 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.