



澳門生產力暨科技轉移中心
MACAU PRODUCTIVITY & TECHNOLOGY TRANSFER CENTER
考獲國際管理系統認證的本澳機構名錄
**DIRECTORY OF LOCAL ORGANIZATIONS CERTIFIED TO
INTERNATIONAL MANAGEMENT STANDARDS**

Name:	COMPANHIA GOU FO DETECCAO (MACAU) LIMITADA	
Address:	Alameda Dr. Carlos D'Assumpcao, No.180, Centro Comercial Tong Nam Ah ,5 ander T Macau	
Standard:	Certified to	Effective Date
	ISO/IEC 17025:2017	May 15, 2023
Telephone:	853-28751766	
Website:	http://www.tstmacao.com/	

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INTERNATIONAL
ACCREDITATION
SERVICE

CERTIFICATE OF ACCREDITATION

This is to attest that

COMPANHIA GOU FO DE TECNOLOGIA (MACAU) LIMITADA

ALA. DR. CARLOS D'ASSUMPCAO NO. 180, CENTRO COMERCIAL TONG NAM AH, 5 ANDAR T
MACAO 853, PEOPLE'S REPUBLIC OF CHINA

Testing Laboratory TL-838

has met the requirements of AC089, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 15, 2023



President

Visit www.iasonline.org for current accreditation information.



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

COMPANHIA GOU FO DETECCAO (MACAU) LIMITADA

Contact Name Chris Chung

Contact Phone +853 28751766

Accredited to ISO/IEC 17025:2017

Effective Date May 15, 2023

NDT	
BS 3923	Non-destructive testing of welded joints - ultrasonic testing of welded joints
BS 5289	Non-destructive examination of fusion welds - visual examination
BS 6072	Non-destructive examination of welds - magnetic particle examination of welds
BS EN 287-1:2011 Clause 6.4	Qualification test of welders Fusion welding Part 1
BS EN 571-1:1997 (Colour Contrast Method)	Non-destructive test of welds - liquid penetrant test
BS EN 970	Non-destructive examination of fusion welds - visual examination
BS EN 1290	Non-destructive examination of welds - magnetic particle examination of welds
BS EN 1714	Non-destructive testing of welded joints - ultrasonic testing of welded joints
BS EN ISO 3452-1:2013 (Colour Contrast Method)	Non-destructive test of welds - liquid penetrant test
BS EN ISO 9606-1:2017 Clause 6.4	Qualification testing of welders. Fusion welding
BS EN ISO 9934-1:2016	Non-destructive examination of weld - magnetic particle examination of welds
BS EN ISO 15614-1:2017 Clause 7.3	Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
HKCI T111	Detection of building defects by Infrared Thermography
In-house Method TST-3	Detection of Moisture in Buildings by Infrared Camera
ISO 17637	Non-destructive examination of fusion welds - visual examination
ISO 17638	Non-destructive examination of welds - magnetic particle examination of welds
ISO 17640	Non-destructive testing of welded joints - ultrasonic testing of welded joints
Pile	
ASTM D1143; BS 8004	Static loading tests on piles

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ASTM D1194-94, D1195-93, D1196-93	Plate Load Test
ASTM D4945	Dynamic Pile Test
ASTM D5882	Pile integrity test
ASTM D6760	Ultrasonic crosshole sonic logging test
ASTM D8169	Deep Foundations Under Bi-Directional/Static Axial Compressive Load
BS 1377: Part 9	Plate load test
HKCI:TM3	Ultrasonic echo sounder test (UEST)
In-house Method KODEN	Ultrasonic echo sounder test (UEST)
JGJ/T 403-2017	Technical specification for static loading test of self-balanced method of building foundation piles
Mechanical	
ASTM C403-90	Time Of Setting of Concrete Mixtures by Penetration Resistance
ASTM C939-10	Flow of grout (Flow cone method)
ASTM C939-97	Flow of grout (Flow cone method)
ASTM D 2938-95	Unconfined Compressive Strength of Intact Rock Core
ASTM D5731-95	Point load strength index of rock
BS 1881: Part 116: 1983	Compressive strength of concrete cubes
BS 1881: Part 120: 1983	Compressive strength of concrete cores
BS 4449: 1988	Bend and Rebend test of carbon steel bars
BS 4449: 1988; CS2: 1995	Tensile test of carbon steel bars
BS 4449: 2005 + A2: 2009	Tensile test of steel reinforcing bars
BS 8110: Part 1: 1997 Cl. 3.12.8.16.2	Tensile test of reinforcing bars with mechanical couplers
BS EN 10002-1	Tensile test of metallic materials
CS1: 2010 Section 12 + Amd. 1/2013	Compressive strength of concrete cubes
CS1: 2010 Section 15 + Amd. 1/2013	Compressive strength of concrete cores
CS2: 2012 + Amd. 1/2016 + Amd. 2/2018 Cl. 6.1 & 6.4	Tensile test of steel reinforcing bars

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CS2: 2012 + Amd. 2/2018 Cl. 6.2 & 6.5	Mass per metre and Rebend test of steel reinforcing bars
EN 12390-8:2019	Water impermeability of hardened concrete
HKHA Specification Library (2004 edition), section PIL 1.M410.4, PIL.T320.4 and General Specification for Civil Engineering Works (2006), Section 7,8&17	Determination of Bleeding and Free Expansion of Grout
ISO 1920-4	Compressive strength of concrete cubes
ISO 1920-4	Compressive strength of concrete cores
ISRM: 1985	Suggested method for determining point load strength
MTRC Materials & Workmanship Specification (1997) Vol.2 of 6 Cl.11.40(6)	Bleeding Test
Building Diagnostic	
AAMA 501.2-03	Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems
ASTM D 6132-04	Non-destructive Measurement of Dry Film Thickness (Ultrasonic Gage)
BS 1881: Part 102: 1983	Slump test
BS 1881: Part 203	Surface hardness measurement of concrete
BS 1881: Part 204	Covermeter survey
BS 5080-1, BS 5080-2	Structural fixings in concrete and masonry - method of test for tensile or shear loading
BS EN12504-2	Surface hardness measurement of concrete
BS EN 14630	Carbonation test
BS EN ISO 2178: 1995	Coating thickness (Magnetic method)
CS1: 2010 Section 2 Part I	Slump test
General Specification for Civil Engineering Works (2006) Vol.1.1 APP.7.138	Pull-out test for soil nails
HKHA MTS (2012/2014) Package D Specification	Tensile Proof Load Test on Grouted Dowel Bars or Anchor Bolts

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In-house Method TST-1	Pull-off test of tiles and tile adhesive and render
In-house Method TST-2	Obtaining core samples
In-house Method TST-NM	Noise measurement for construction sites
ISO 1996-1: 1982	Noise measurement for construction sites
ISO 2808-2007 (Method 4A, 4B, 7C, 10)	Determination of film thickness
JGJ/T110-2017	Pull-off test of tile and tile adhesive and render
Soils	
GEOSPEC 3: 2001 Test 5.1	Moisture Content 45 °C ± 5 °C
GEOSPEC 3: 2001 Test 5.2	Moisture Content 105 °C ± 5 °C
GEOSPEC 3: 2001 Test 10.1	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a 1000cc mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.2	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a 1000cc mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.3	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a CBR mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.4	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a CBR mould and 2.5 kg rammer)
GEOSPEC 3: 2001 Test 10.5	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a 1000cc mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 10.6	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a 1000cc mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 10.7	Dry density/moisture content relationship of soils containing particles which are not susceptible to crushing (using a CBR mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 10.8	Dry density/moisture content relationship of soils containing particles which are susceptible to crushing (using a CBR mould and 4.5 kg rammer)
GEOSPEC 3: 2001 Test 11.1	In-situ bulk density and in-situ dry density of soils by the sand replacement method suitable for fine- and medium-grained soils (with small pouring cylinder)
GEOSPEC 3: 2001 Test 11.2	In-situ bulk density and in-situ dry density of soils by the sand replacement method suitable for fine-, medium-, and coarse-grained soils (with large pouring cylinder)
GEOSPEC 3: 2001 Test 16.1	Direct shear test (small shear box apparatus)



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Monitoring	
In-house Method TST-IM	Inclinometer monitoring
In-house Method TST-PM	Piezometer monitoring
In-house Method TST-TM	Tiltmeter monitoring
In-house Method TST-VM	Vibration monitoring

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