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## Certificate of Accreditation

International Accreditation Japan (IAJapan) hereby accredits the following conformity assessment body as a testing laboratory of Japan National Laboratory Accreditation System.

Accreditation Identification: JNLA 080255JP Testing

Name of Conformity Assessment Body: G&U Technical Research Center Co., Ltd.

Name of Legal Entity: same as above

Location of Conformity Assessment Body: 732-157, Fukizuka, Kawajima-machi, Hiki-gun, Saitama,  
350-0164, JAPAN

Scope of Accreditation: as the following pages

Accreditation Requirement: ISO/IEC 17025:2017\*

\* The relevant accreditation requirements described in the Accreditation Scheme Document for JNLA are also applied.

Effective Date of Accreditation: 2024-02-15

Expiry Date of Accreditation: 2028-02-14

Date of Initial Accreditation: 2011-04-28

SAITO Kazunori

Chief Executive, International Accreditation Japan (IAJapan)

National Institute of Technology and Evaluation

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- International Accreditation Japan (IAJapan) is a laboratory accreditation body which has signed MRAs of ILAC (International Laboratory Accreditation Cooperation) and APAC (Asia Pacific Accreditation Cooperation).
  - MRA requirements are, in addition to relevant international standards and guides, requirements for participation in proficiency testing programs, surveillance and reassessment, and the policy for the traceability of measurement for MRA purpose.
  - This laboratory fulfills ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation means this laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).
  - The latest accreditation information is publicly available on IAJapan Website as an accreditation certificate.

Name of Laboratory: G&U Technical Research Center Co., Ltd.  
Address: 732-157, Fukizuka, Kawajima-machi, Hiki-gun, Saitama, 350-0164, JAPAN  
Conformity Assessment Activity: Testing, Reporting of Result and Management Requirement Operation(All Accreditation Scope)

<Scope of Accreditation>

Effective Date of Accreditation: 2024-02-15					
Scope of Accreditation	Materials or Products Tested	Test Type (Testing Method(s))	Component, Parameter or Characteristic Tested	Number(s) of JIS, clause and sub-clause	Notices
Civil engineering and Construction	Construction materials	Strength testing of concrete and cement inorganic materials	Compressive strength of concrete	Testing Method Standard(s) JIS A 1108 (except making test pieces) JIS R 5201 11.6 and 11.7.1	-
		Bending, compression, and inplane shear testing of constructional element	Deflection, Residual deflection	Testing Method Standard(s) JIS A 5506 10.1 (Materials are limited to 8 spheroidal graphite cast iron manhole covers)	-
Steel and Non-ferrous metal	Steel and Non-ferrous metal	Tensile test for metallic materials	Tensile strength, Stretching	Testing Method Standard(s) JIS Z 2241 [test load: up to 150 kN]	-
				Quotation Standard(s) JIS G 5502 11.1 [type:FCD 400-15, FCD 450-10, FCD 500-7, FCD550-5, FCD 600-3, FCD 700-2]	-
		Macrostructure and microstructure examination for metallic	Graphite shape	Testing Method Standard(s) JIS G 5502 11.5.1 (limited to ISO method) [type:FCD 400-15, FCD 450-10, FCD 500-7, FCD550-5, FCD 600-3, FCD 700-2]	-
		Brinell hardness test	Hardness	Testing Method Standard(s) JIS Z 2243-1	-
Quotation Standard(s) JIS G 5502 11.4	-				
Chemical goods	Chemical Products	Tensile test of rubber and plastic	Plastic tensile strength, Tensile modulus	Testing Method Standard(s) JIS K 7161-1 9, 10.1 and 10.3 [test load: up to 50 kN]	-
		Flexural properties test of rubber and plastic	Plastic bending strength, Flexural modulus	Testing Method Standard(s) JIS K 7171 8, 9.1 and 9.3 [test load: up to 50 kN]	-
		Compressive properties test of rubber and plastic	Compressive strength of plastic, Compression modulus	Testing Method Standard(s) JIS K 7181 9, 10.1 and 10.3 [test load: up to 50 kN]	-