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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 Z80111JP Testing

Name of Conformity Assessment Body: Central Test Laboratory, Japan Testing Center For Construction Materials

Name of Legal Entity: Japan Testing Center For Construction Materials

Location of Conformity Assessment Body: 5-21-20, Inari, Soka-shi, Saitama, 340-0003, JAPAN
(Related office(s) : as the following pages)

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: 2022-01-30

Expiry Date of Accreditation: 2026-01-29

Date of Initial Accreditation: 2005-05-19

ISHIGE Hiromi

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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: Central Test Laboratory, Japan Testing Center For Construction Materials
 Address: 5-21-20, Inari, Soka-shi, Saitama, 340-0003, JAPAN
 Conformity Assessment Activity: Testing, Reporting of Result and Management Requirement Operation (All Accreditation Scope)

Name of Office: Sound Insulation Test Laboratory, Central Test Laboratory
 Address: 6-17-26, Inari, Soka-shi, Saitama, 340-0003, JAPAN
 Conformity Assessment Activity: Noise absorption and insulation testing

Name of Office: Structural Test Building and Building Envelope Test Building, Central Test Laboratory
 Address: 5-20-7, Inari, Soka-shi, Saitama, 340-0003, JAPAN
 Conformity Assessment Activity: Shape and size testing; Strength testing of boards; Airtight, watertight, and wind endurance testing; Bending, compression, and inplane shear testing of constructional element; Mechanical durability testing; Strength testing of metallic materials and components

<Scope of Accreditation>

Effective Date of Accreditation: 2022-01-30					
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	Notes
Civil Engineering and Architecture	Building Materials	Ready-mixed concrete testing	Slump value; Mass per unit area and Air content; Air content	Testing Method Standard(s) JIS A 1101 JIS A 1116 JIS A 1128	-
				Quotation Standard(s) JIS A 5002 5.14 g) JIS A 5308 10.3 and 10.5 JIS A 6204 6.2.7 a), 6.2.7 b) and 6.2.7 i)	-
		Aggregates testing	Grading; Content of materials finer than 75 μ m sieve; Bulk density and Solid content; Organic impurities; Density and Absorption (Fine aggregates); Density and Absorption (Coarse aggregates); Abrasion; Soundness; Density and Absorption (lightweight fine aggregates); Density and Absorption (lightweight Coarse aggregates); Content of clay lumps; Alkali-silica reactivity (Chemical method); Alkali-silica reactivity (Mortar-bar method)	Testing Method Standard(s) JIS A 1102 JIS A 1103 JIS A 1104 JIS A 1105 JIS A 1109 JIS A 1110 JIS A 1121 JIS A 1122 JIS A 1134 JIS A 1135 JIS A 1137 JIS A 1145(limited to mass method) JIS A 1146	-
				Quotation Standard(s) JIS A 5002 5.6, 5.7, 5.8, 5.9, 5.10, 5.11 and 5.13 JIS A 5005 7.2, 7.3, 7.4, 7.5, 7.6, 7.7 and 7.8 JIS A 5011-1 6.3 a), 6.3 b), 6.4, 6.5 and 6.6 JIS A 5011-2 6.2.2, 6.2.3, 6.3.1, 6.3.2 and 6.4 JIS A 5011-3 6.2.2, 6.2.3, 6.3.1, 6.3.2 and 6.4 JIS A 5011-4 6.3, 6.4, 6.5, 6.6 and 6.7 JIS A 5308 Appendix JA JA.10 a), JA.10 b), JA.10 c), JA.10 d), JA.10 e), JA.10 f), JA.10 g), JA.10 h), JA.10 i), JA.10 j), JA.10 k), JA.10 n)	-
		Strength testing of concrete and cement inorganic materials	Compressive strength	Testing Method Standard(s) JIS A 1108 (except Appendix A) JIS R 5201 11	-
				Quotation Standard(s) JIS A 5002 5.14 f) JIS A 5308 10.2.1, Appendix JC JC.7.1.8 (limited to A method) and JC.7.2.5 (limited to A method) JIS A 6204 6.2.7 e) JIS R 5210 6.1 JIS R 5211 6.1 JIS R 5212 6.1 JIS R 5213 6.1	-

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	Notes
		Concrete chemical admixture testing	Bleeding; Setting time; Freezing and; Chloride content; Alkali content	Testing Method Standard(s) JIS A 1123 JIS A 1147 JIS A 1148 (limited to A method) JIS A 6204 Appendix A and Appendix B	-
				Quotation Standard(s) JIS A 6204 6.2.7 c), 6.2.7 d), 6.2.7 g), 6.3 and 6.4	-
		Shape and size testing	Permanent change in dimensions; Dimension	Testing Method Standard(s) JIS A 1129-1	-
				Quotation Standard(s) JIS A 6204 6.2.7 f)	-
		Testing for concrete or admixtures	Density; Specific surface area; Setting time; Soundness; Heat of hydration	Testing Method Standard(s) JIS R 5201 7, 8.1, 9 and 10 JIS R 5203	-
				Quotation Standard(s) JIS A 5308 Appendix JC JC.7.1.7 and JC.7.2.4 JIS R 5210 6.1 and 6.3 JIS R 5211 6.1 and 6.3 JIS R 5212 6.1 JIS R 5213 6.1	-
		Chemical analysis testing of aggregate cement, concrete	Chloride concentration	Testing Method Standard(s) JIS A 5002 5.5	-
		Noise absorption and insulation testing	Sound absorption coefficients; Sound insulation	Testing Method Standard(s) JIS A 1409 JIS A 1416	-
				Quotation Standard(s) JIS A 4702 9.10 JIS A 4706 9.8 JIS A 6301 7.2 JIS A 6504 7.3.2 JIS A 6512 8.2	-
		Strength testing of boards	Impact; Strength	Testing Method Standard(s) JIS A 5702 8.4 JIS A 6711 9.1 and 9.2	-
				Quotation Standard(s) JIS A 6504 7.3.6	-
		Adiabatic testing of material	Thermal resistance and Thermal conductivity; Thermal transmittance and Thermal resistance	Testing Method Standard(s) JIS A 1412-1 JIS A 1412-2 JIS A 1420 JIS A 4710	-
				Quotation Standard(s) JIS A 4702 9.11 JIS A 4706 9.9 JIS A 5212 6.6 JIS A 5416 9.7 JIS A 5905 7.19 JIS A 5908 7.22 JIS A 6301 7.3.4 i) JIS A 6901 7.12 JIS A 9504 6.4 JIS A 9510 6.10	-

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
(continued)	(continued)	(continued)	(continued)	JIS A 9511 6.7 JIS A 9521 Appendix A A.8, Appendix B B.8, Appendix C C.8 and Appendix C C.17 JIS A 9523 6.3 JIS A 9526 6.2.6	-
		Airtight, watertight, and wind endurance testing	Watertightness; Wind resistance; Air permeability	Testing Method Standard(s) JIS A 1414-3 5.7 JIS A 1515 JIS A 1516 JIS A 1517	-
				Quotation Standard(s) JIS A 4702 9.7, 9.8 and 9.9 JIS A 4706 9.4, 9.5 and 9.6 JIS A 4713 9.1 a) JIS A 6504 7.3.3 JIS A 6509 7.3.3 JIS A 6711 9.3	-
		Bending, compression, and inplane shear testing of constructional element	Strength	Testing Method Standard(s) JIS A 1414-2 5.1, 5.3 and 5.5 JIS A 5363 JIS A 5409 6.2 JIS A 5416 9.5 JIS A 6511 8.2 JIS A 6514 9.3 and 9.4 (2) (b)	-
				Quotation Standard(s) JIS A 5371 8.2 JIS A 5372 9.2 JIS A 5441 7.5 JIS A 6504 7.3.4, 7.3.5 and 7.3.7 JIS A 6506 7.3.4 JIS A 6509 7.3.4	-
		Formaldehyde dissipation testing (desiccator method)	Emission amount	Testing Method Standard(s) JIS A 1460 JIS A 6921 6.3.6 JIS A 6922 6.4	-
				Quotation Standard(s) JIS A 5905 7.18 JIS A 5908 7.14	-
		Mechanical durability testing	Opening and closing forces	Testing Method Standard(s) JIS A 1519 JIS A 1530	-
				Quotation Standard(s) JIS A 4702 9.4(JIS A 1519 6.4 a), 6.4 c)) and 9.5 JIS A 4706 9.2(JIS A 1519 6.4 a), 6.4 c)) and 9.3	-
		Strength testing of metallic materials and components	Diagonal deformation under static load; Strength	Testing Method Standard(s) JIS A 1521 JIS A 1522 JIS A 1523 JIS A 1524 JIS A 4704 11.1.1, 11.1.2 and 11.1.3 JIS A 6514 9.4 (2) (a) JIS A 6517 9.4.1, 9.5.1 and 9.5.2 JIS A 6519 9.2.1 and 9.2.2 JIS A 6601 10.2.3, 10.2.4, 10.2.5, 10.2.6, 10.3.2 and 10.3.3	-
				Quotation Standard(s) JIS A 4702 9.2, 9.3 and 9.13 JIS A 4706 9.7	-

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	Notes
		Wet weight, weight loss, residue, and ash testing	Suspended solid; Evaporation residue	Testing Method Standard(s) JIS A 5308 Appendix JC JC.7.1.4 and JC.7.1.5	-
		Chemical dissipation testing	Emission amount	Testing Method Standard(s) <u>JIS A 1901 (limited to Chemical substance Formaldehyde)</u>	-
				Quotation Standard(s) JIS A 5536 6.3.8 JIS A 5537 5.8 JIS A 5538 5.8 JIS A 5547 5.10 JIS A 5549 5.2 JIS A 9504 6.8 JIS A 9511 6.15 JIS A 9521 Appendix A A.7, Appendix B B.7 and Appendix C JIS A 9523 6.4	-
Chemical Products	Chemical Products	Ion chromatography analysis	Analysis	Testing Method Standard(s) JIS K 0127	-
				Quotation Standard(s) JIS A 1144 4 d) JIS A 5308 Appendix JA JA.10 p), Appendix JC JC.7.1.6 and	
Ceramics	Ceramic products	Tests of transmittance, reflectance, and solar heat coefficient of glasses	Spectral transmittance and spectral reflectance; Solar transmittance, Solar reflectance and Solar absorptance; Total solar energy transmittance; Visible light transmittance; Reflectance; Solar heat shielding property	Testing Method Standard(s) JIS R 3106 5, 8 and 9 JIS R 3212 5.11 JIS R 3213 6.3.1 JIS R 3220 8.1 JIS R 3221 7.5.1	-
				Quotation Standard(s) JIS R 3206 8.7 JIS R 3208 6.1 JIS R 3209 8.6	-
		Glass durability tests	Light resistance; Heat resistance; Dew point; Accelerated durability; Moisture resistance	Testing Method Standard(s) JIS R 3205 9.8 and 9.9 JIS R 3209 8.3 and 8.5.3 JIS R 3212 5.10 (except d) 5) 5.2)) JIS R 3221 7.5.4	-
				Quotation Standard(s) JIS R 3205 7.5 JIS R 3206 8.7	-

Remarks: The latest scope of accreditation that are published on the official gazetta, IAJapan web site and so on are applied to the detail of scope of accreditation.

(End of Certificate)