

Testing and Measuring Equipment Used for Witness Testing

JQA Appl. No. :

Prepared on : April. 1, 2025

JIS Standard No./Name of JIS Standard : JIS A XXXX : 2015/XXXX material for buildings

Classification	No.	Corresponding No. of Testing / Measuring Equipment		Name of Reference Standard	Model, Manufacturer, Characteristics, etc.	Control/ ID No.	Article/ Serial No.	Calib./Internal calib./Check (excludes check at time of use)			Acceptance criteria of Calibration	Name of Outside Contractor, etc.	Traceability	JQA Entries		
								Calib./Internal calib./Check	Interval	Year/ Month of Last Implementation						
Reference Standard	1	1, 2		Standad Glass Thermometer	0 to 50°C, ABC Co., Ltd.	S-5	111222	Calib./Internal calib./Check	3 years	Sep. 3, 2024	±0.1°C	XYZ LAB	CNAS			
	2	3		Standard Straight Measure	1000mm : 0.2mm, JIS 1st grade, ABC Co., Ltd.	S-3	111333	Calib./Internal calib./Check	3 years	Sep. 3, 2024	±0.5mm	XYZ LAB	CNAS			
	3	4		Standard Weight	5kg, M-3grade, ABC Co., Ltd.	S-1	111444	Calib./Internal calib./Check	3 years	Sep. 3, 2024	±0.1%	XYZ LAB	CNAS			
	4	4		Standard Weight	10kg, M-3grade, ABC Co., Ltd.	S-2	111445	Calib./Internal calib./Check	3 years	Sep. 3, 2024	±0.1%	XYZ LAB	CNAS			
	5	8		Standard Plumb Bob Pressure Gauge	0.05 to 5MPa, Type K, ABC Co., Ltd.	S-6	111555	Calib./Internal calib./Check	3 years	Sep. 3, 2024	±0.2%	XYZ LAB	CNAS			
	6	7		Block Gauge	1-50mm, 1 set (16pcs), ABC Co., Ltd.	S-4	111666	Calib./Internal calib./Check	3 years	Sep. 3, 2024	JIS 0 grade	XYZ LAB	CNAS			
	7							Calib./Internal calib./Check								
	8							Calib./Internal calib./Check								
Classification	No.	JIS Standard	Quoted Standard	Name of Test	Name of Testing / Measuring Equipment	Model, Manufacturer, Characteristics, etc.	Control/ ID No.	Article/ Serial No.	Calib./Internal calib./Check (excludes check at time of use)			Acceptance criteria of Calibration	Name of Outside Contractor, etc.	Traceability	JQA Entries	
		Required Item	Test Item						Calib./Internal calib./Check	Interval	Year/ Month of Last Implementation					
Testing / Measuring Equipment	1	4	8.1(1)		Temperature Performance Test (outdoor)	Mercury Thermometer (water temp, air temp)	0 to 100°C: 1/10°C, ABC Co., Ltd.	T-4	222111	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±0.1°C	Please fill in a logo of National Accreditation Body that proves traceability. Ex. A2LA, CNAS, TAF, JCSS, TLAS, VILAS ect.		
	2	4	8.2		Temperature Performance Test (outdoor)	Mercury Thermometer (water temp, air temp)	0 to 100°C: 1/10°C, ABC Co., Ltd.	T-5	222222	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±0.1°C			
	3	4	8.1(1)		Performance Test (outdoor)	Convex Rule (effective area)	5.5m : 1mm, JIS 1st grade, ABC Co., Ltd.	T-2	222333	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±0.5mm			
	4	4	8.1(1) 8.7.4(1)		Thermal Performance Test, Strength Test	Digital Platform Scale (effective hot-water capacity) (for dry sand weight measurement)	0 to 60kg : 20g, FV-60KWP, ABC Co., Ltd.	T-1	222444	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±2%			
	5	4	8.2 8.4(1)		Thermal Performance Test, Leak Testing	Stopwatch	10h : 0.01s, ABC Co., Ltd.	T-6	222555	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±0.2%			
	6	4	8.6(2)		Thermal Performance Test	Stopwatch	10h : 0.01s, ABC Co., Ltd.	T-7	222666	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±0.2%			
	7	4	8.5		Dry-Heating Test	Micrometer	0 to 25mm : 0.01mm, ABC Co., Ltd.	T-3	222777	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±0.1mm			
	8	4	8.3.1(2)		Resistance to Freezing Test	Water Pressure Gauge	0 to 2 Mpa : 0.1Mpa, ABC Co., Ltd.	T-8	222888	Calib./Internal calib./Check	1 year	Oct. 3, 2024	±1.6%			
	9								Calib./Internal calib./Check							
	10								Calib./Internal calib./Check							
Classification	No.	JIS Standard	Quoted Standard	Name of Test	Name of Subsidiary Facilities	Model, Manufacturer, Characteristics, etc.	Control/ ID No.	Article/ Serial No.	Calib./Internal calib./Check (excludes check at time of use)			Acceptance criteria of Calibration	Name of Outside Contractor, etc.	Traceability	JQA Entries	
		Required Item	Test Item						Calib./Internal calib./Check	Interval	Year/ Month of Last Implementation					
Subsidiary Facilities	1	4	8.3.1(2)		Resistance to Freezing Test	Timer of Temperature Controller for Control Panel	Temperature Controller, DCP551, ABC Co., Ltd.	H-5	333111	Calib./Internal calib./Check	1 year	Oct. 3, 2024	1 count	T-6		
	2	4	8.1(1)		Thermal Performance Test (outdoor)	Compass	Oil-type, 75662, ABC Co., Ltd.	H-2	-	Calib./Internal calib./Check						
	3	4	8.6(2)		Thermal Performance Test	Plumbing Equipment	Nominal Diameter: 20A or less	H-12	-	Calib./Internal calib./Check						
	4	4	8.6(2)		Thermal Performance Test	Hot Water Tap	JIS B 2061, Wall - mounted Faucet, Nominal Diameter: 13A	H-9	-	Calib./Internal calib./Check						
	5	4	8.7.5		Strength Test	Square Timber	100mmx100mm	H-6	-	Calib./Internal calib./Check						
	6								Calib./Internal calib./Check							
	7								Calib./Internal calib./Check							
	8								Calib./Internal calib./Check							

Informative Matters

Method for Making Entries of Testing and Measuring Equipment Used for Witness Testing (Form No: 8211-55)

Please prepare a Form for each JIS Standard. Any duplicated portions may be deleted.

No.	Item	Guidelines for Entries	Example
1	Classification	<p>Reference Standard: Please state the reference standard used for external and internal calibrations.</p> <p>Testing / Measuring Equipment: Please state the testing and measuring equipment used for witness testing.</p> <p>Subsidiary Facilities: Please state the subsidiary facilities necessary for measurements, but do not include the Testing / Measuring Equipment.</p>	(e.g., platens, jigs, etc.)
2	No	Please state the serial numbers for each item under "1. Classification"	—
3	JIS Standard	Please state the Required Item No. and corresponding Test Item No. for the given JIS Standard.	—
4	Quoted Standard	Please state the required Item No. and corresponding Test Item No. for the referenced JIS Standard.	—
5	Corresponding No. of Testing / Measuring Equipment	<p>Please state the Numbers of the measurement equipment types that have been calibrated internally with reference standard.</p> <p>*There may be instances where multiple pieces of measurement equipment are calibrated by a single item of reference standard.</p>	If there is a slide caliper calibrated with an externally calibrated block gauge, then refer to the number in the far left column of the table.
6	Name of Test	Please state the name of test for the given JIS Standard	Tensile test
7	Name of Reference Standard	Please state the names of the reference standard that was used for internal calibration of the testing and measuring equipment.	Block gauge
8	Name of Testing / Measuring Equipment	Please state the names of the testing and measuring equipment to be used for testing.	slide caliper
9	Name of Subsidiary Facilities	Please state the name of the subsidiary facilities to be used for testing.	Hammers for fragmentation test
10	Model, Manufacturer, Performance, etc.	Please state the maximum measurement (/gauge) performance and minimal readout values.	Universal Tester HZ500, max 500 N, 1 N
11	Control / ID Numbers	There will be confirmation at the time of witness testing as to whether investigation has been conducted for the measurement equipment. Please state the Control No. or ID No.	—

No.	Item	Guidelines for Entries	Example
12	Article / Manufacturing Numbers	If there are any Article No. or Manufacturing No. for confirmation on calibration certifications and similar documentation (i.e., numbers specific to measurement equipment types), please state these numbers. If checking is possible by the above Control or ID Numbers, or else, if there are no number markings, please just enter a dash " – "	–
13	Calibration / Internal Calibration / Check	Please provide separate statements for any calibration performed by outside contractors, internal calibration or check.	–
14	Frequency	Please state the frequency of any calibration performed by outside contractors/ internal calibration/ check.	–
15	Year/ Month of Most Recent Implementation	<p>Please state the date of most recent calibration performed by outside contractors, internal calibration or check.</p> <p>If any calibration (or check) occurs between submission of this document and the date of the witness testing, please communicate this fact at the time of the witness testing.</p>	–
16	Calibration Pass/Fail Criteria	Please state the acceptance criteria for the results of calibrations.	In case of a slide caliper, ± 0.1 mm
17	Names of Outside Contractors, etc.	Please state the names of any outside contractors performing calibrations.	–
18	Traceability	Please state any logo of National Accreditation Body (JCSS, A2LA, etc.) or other (unit system chart of length, mass, force etc.).	–