

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0066 Calibration
Name of Conformity Assessment Body	Murakami Koki Co., Ltd.
Name of Legal Entity	Murakami Koki Co., Ltd. JCN 7120001001210
Inquiry Point	Calibration Department TEL: +81-6-6928-7571 FAX: +81-6-6928-1099

*JCN: Japan Corporate Number



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Certificate of Accreditation

International Accreditation Japan (IAJapan) hereby accredits the following conformity assessment body as a calibration laboratory of Japan Calibration Service System.

Accreditation Identification: JCSS 0066 Calibration

Name of Conformity Assessment Body: Murakami Koki Co., Ltd.

Name of Legal Entity: Same as above

Location of Conformity Assessment Body: 2-10-31 Akagawa, Asahi-ku, Osaka-shi, Osaka 535-0005, JAPAN

Scope of Accreditation: Mass (as the following pages)

Accreditation Requirement: ISO/IEC 17025:2017*

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

Effective Date of Accreditation: 2023-12-27

Expiry Date of Accreditation: 2027-12-26

Date of Initial Accreditation: 1996-06-18

SAITO Kazunori

Chief Executive, International Accreditation Japan (IAJapan)

National Institute of Technology and Evaluation

- 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.

General Field of Calibration: Mass

Date of Initial Accreditation of the Field: 1996-06-18

Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)	
Weight	Weight	1000 kg	16 g	
		500 kg	8.3 g	
		200 kg	4.3 g	
		100 kg	0.36 g	
		50 kg	0.18 g	
		20 kg	3.8 mg	
		10 kg	2.2 mg	
		5 kg	1.2 mg	
		2 kg	0.45 mg	
		1 kg	0.18 mg	
		500 g	0.093 mg	
		200 g	0.044 mg	
		100 g	0.019 mg	
		50 g	0.013 mg	
		20 g	0.012 mg	
		10 g	0.0080 mg	
		5 g	0.0062 mg	
		2 g	0.0050 mg	
		1 g	0.0038 mg	
		500 mg	0.0036 mg	
		200 mg	0.0030 mg	
		100 mg	0.0024 mg	
		50 mg	0.0019 mg	
		20 mg	0.0017 mg	
		10 mg	0.0015 mg	
		5 mg	0.0014 mg	
		2 mg	0.0014 mg	
		1 mg	0.0013 mg	
		0.5 mg	0.00067 mg	
		0.2 mg	0.00039 mg	
		0.1 mg	0.00033 mg	
		Deadweight	From 1000 kg up to 1100 kg	17 g
			From 500 kg less than 1000 kg	15 g
			From 200 kg less than 500 kg	7.6 g
From 140 kg less than 200 kg	3.4 g			
From 100 kg less than 140 kg	0.46 g			
From 50 kg less than 100 kg	0.32 g			
More than 26 kg less than 50 kg	0.15 g			
More than 20 kg up to 26 kg	26 mg			
From 10 kg up to 20 kg	23 mg			

		From 5 kg less than 10 kg	13 mg
		From 2 kg less than 5 kg	7.0 mg
		From 1 kg less than 2 kg	3.4 mg
		From 500 g less than 1 kg	1.3 mg
		From 200 g less than 500 g	0.73 mg
		From 100 g less than 200 g	0.41 mg
		From 50 g less than 100 g	0.30 mg
		From 20 g less than 50 g	0.23 mg
		From 10 g less than 20 g	0.17 mg
		From 5 g less than 10 g	0.13 mg
		From 2 g less than 5 g	0.11 mg
		From 1 g less than 2 g	0.080 mg
		From 500 mg less than 1 g	0.062 mg
		From 200 mg less than 500 mg	0.045 mg
		From 100 mg less than 200 mg	0.031 mg
		From 50 mg less than 100 mg	0.021 mg
		From 20 mg less than 50 mg	0.013 mg
		From 10 mg less than 20 mg	0.006 mg
		From 5 mg less than 10 mg	0.005 mg
		From 2 mg less than 5 mg	0.005 mg
		From 1 mg less than 2 mg	0.005 mg
		From 0.5 mg less than 1 mg	0.0015 mg
		From 0.1 mg less than 0.5 mg	0.0010 mg

#All Calibration Procedures are in-house procedures developed by this laboratory.

Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility, On-site Calibration Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)	
			Permanent Laboratory	On-site Calibration
Scale	Non-Automatic Electronic Weighing Instruments	More than 0 g up to 10 g	0.058 mg	0.061 mg
		More than 10 g up to 20 g	0.087 mg	0.095 mg
		More than 20 g up to 30 g	0.099 mg	0.12 mg
		More than 30 g up to 40 g	0.13 mg	0.16 mg
		More than 40 g up to 60 g	0.15 mg	0.18 mg
		More than 60 g up to 70 g	0.16 mg	0.21 mg
		More than 70 g up to 80 g	0.17 mg	0.23 mg
		More than 80 g up to 90 g	0.20 mg	0.27 mg
		More than 90 g up to 130 g	0.21 mg	0.33 mg
		More than 130 g up to 150 g	0.22 mg	0.37 mg
		More than 150 g up to 160 g	0.24 mg	0.40 mg
		More than 160 g up to 170 g	0.25 mg	0.43 mg
		More than 170 g up to 180 g	0.28 mg	0.46 mg
		More than 180 g up to 200 g	0.29 mg	0.49 mg

	More than 200 g up to 220 g	0.31 mg	0.54 mg
	More than 220 g up to 230 g	0.37 mg	0.60 mg
	More than 230 g up to 240 g	0.38 mg	0.63 mg
	More than 240 g up to 260 g	0.40 mg	0.67 mg
	More than 260 g up to 270 g	0.41 mg	0.70 mg
	More than 270 g up to 300 g	0.45 mg	0.76 mg
	More than 300 g up to 400 g	0.59 mg	1.1 mg
	More than 400 g up to 500 g	0.73 mg	1.3 mg
	More than 500 g up to 600 g	0.85 mg	1.5 mg
	More than 600 g up to 700 g	2.1 mg	3.3 mg
	More than 700 g up to 800 g	2.3 mg	3.7 mg
	More than 800 g up to 900 g	2.5 mg	4.1 mg
	More than 900 g up to 1000 g	2.7 mg	4.5 mg
	More than 1000 g up to 1500 g	3.2 mg	5.3 mg
	More than 1500 g up to 2000 g	3.3 mg	5.6 mg
	More than 2000 g up to 2400 g	3.6 mg	6.1 mg
	More than 2400 g up to 3000 g	4.4 mg	7.6 mg
	More than 3000 g up to 3500 g	13 mg	25 mg
	More than 3500 g up to 4000 g	15 mg	28 mg
	More than 4000 g up to 4500 g	17 mg	32 mg
	More than 4500 g up to 5000 g	18 mg	35 mg
	More than 5000 g up to 5400 g	21 mg	39 mg
	More than 5400 g up to 6000 g	23 mg	43 mg
	More than 6000 g up to 8000 g	26 mg	44 mg
	More than 8000 g up to 9000 g	31 mg	45 mg
	More than 9000 g up to 10 kg	34 mg	49 mg
	More than 10 kg up to 11 kg	37 mg	54 mg
	More than 11 kg up to 12 kg	40 mg	58 mg
	More than 12 kg up to 13 kg	43 mg	63 mg
	More than 13 kg up to 14 kg	46 mg	67 mg
	More than 14 kg up to 15 kg	0.17 g	0.24 g
	More than 15 kg up to 16 kg	0.18 g	0.25 g
	More than 16 kg up to 18 kg	0.19 g	0.27 g
	More than 18 kg up to 19 kg	0.20 g	0.28 g
	More than 19 kg up to 26 kg	0.23 g	0.29 g
	More than 26 kg up to 30 kg	0.27 g	0.33 g
	More than 30 kg up to 35 kg	0.29 g	0.36 g
	More than 35 kg up to 40 kg	0.34 g	0.42 g
	More than 40 kg up to 45 kg	0.38 g	0.47 g
	More than 45 kg up to 55 kg	0.42 g	0.52 g
	More than 55 kg up to 62 kg	0.48 g	0.59 g
	More than 62 kg up to 70 kg	0.55 g	0.67 g
	More than 70 kg up to 80 kg	2.0 g	2.8 g
	More than 80 kg up to 90 kg	2.2 g	3.0 g
	More than 90 kg up to 100 kg	2.4 g	3.3 g

		More than 100 kg up to 150 kg	2.8 g	3.9 g
		More than 150 kg up to 200 kg	6.8 g	8.1 g
		More than 200 kg up to 300 kg	7.5 g	9.2 g
		More than 300 kg up to 400 kg	32 g	36 g
		More than 400 kg up to 500 kg	34 g	41 g
		More than 500 kg up to 600 kg	36 g	45 g
		More than 600 kg up to 700 kg	60 g	66 g
		More than 700 kg up to 800 kg	61 g	69 g
		More than 800 kg up to 900 kg	62 g	72 g
		More than 900 kg up to 1000 kg	64 g	76 g
		More than 1000 kg up to 1100 kg	66 g	79 g
		More than 1100 kg up to 1200 kg	68 g	83 g
		More than 1200 kg up to 1300 kg	70 g	87 g
		More than 1300 kg up to 1400 kg	72 g	91 g
		More than 1400 kg up to 1500 kg	74 g	96 g
		More than 1500 kg up to 1600 kg	0.36 kg	0.44 kg
	Non-Automatic Mechanical Weighing Instruments	More than 0 g up to 10 g	0.080 mg	0.090 mg
		More than 10 g up to 20 g	0.10 mg	0.11 mg
		More than 20 g up to 30 g	0.11 mg	0.12 mg
		More than 30 g up to 40 g	0.14 mg	0.15 mg
		More than 40 g up to 70g	0.15 mg	0.17 mg
		More than 70 g up to 80 g	0.16 mg	0.18 mg
		More than 80 g up to 90 g	0.19 mg	0.21 mg
		More than 90 g up to 180 g	0.20 mg	0.22 mg
		More than 180 g up to 200 g	0.21 mg	0.23 mg
		More than 200 g up to 220 g	1.1 mg	1.5 mg
		More than 220 g up to 300 g	3.0 mg	4.0 mg
		More than 300 g up to 500 g	3.5 mg	4.5 mg
		More than 500 g up to 600 g	4.0 mg	5.0 mg
		More than 600 g up to 800 g	4.5 mg	6.0 mg
		More than 800 g up to 1000 g	5.5 mg	7.0 mg
		More than 1000 g up to 1500 g	60 mg	80 mg
		More than 1500 g up to 2400 g	70 mg	0.10 g
		More than 2400 g up to 3000 g	80 mg	0.11 g
		More than 3000 g up to 3500 g	90 mg	0.12 g
		More than 3500 g up to 4400 g	0.10 g	0.15 g
		More than 4400 g up to 5000 g	0.12 g	0.16 g
		More than 5000 g up to 6000 g	0.70 g	1.0 g
		More than 6000 g up to 7000 g	0.80 g	1.1 g
		More than 7000 g up to 9000 g	0.90 g	1.3 g
	More than 9000 g up to 10 kg	1.0 g	1.4 g	
	More than 10 kg up to 15 kg	9.0g	12 g	
	More than 15 kg up to 25 kg	12 g	17 g	
	More than 25 kg up to 30 kg	18 g	24 g	
	More than 30 kg up to 35kg	20 g	26 g	

		More than 35 kg up to 50 kg	24 g	34 g
		More than 50 kg up to 60 kg	50 g	65 g
		More than 60 kg up to 70 kg	55 g	70 g
		More than 70 kg up to 100 kg	65 g	95 g
		More than 100 kg up to 125 kg	90 g	0.11 kg
		More than 125 kg up to 165 kg	0.10 kg	0.13 kg
		More than 165 kg up to 225 kg	0.12 kg	0.17 kg
		More than 225 kg up to 250 kg	0.13 kg	0.18 kg
		More than 250 kg up to 300 kg	0.20 kg	0.26 kg
		More than 300 kg up to 350 kg	0.22 kg	0.30 kg
		More than 350 kg up to 400 kg	0.24 kg	0.32 kg
		More than 400 kg up to 450 kg	0.26 kg	0.36 kg
		More than 450 kg up to 500 kg	0.28 kg	0.38 kg
		More than 500 kg up to 600 kg	0.50 kg	0.65 kg
		More than 600 kg up to 700 kg	0.55 kg	0.75 kg
		More than 700 kg up to 800 kg	0.60 kg	0.80 kg
		More than 800 kg up to 900 kg	0.65 kg	0.90 kg
		More than 900 kg up to 1000 kg	0.70 kg	0.95 kg
		More than 1000 kg up to 1200 kg	1.1 kg	1.5 kg
		More than 1200 kg up to 1300 kg	1.2 kg	1.6 kg
		More than 1300 kg up to 1500 kg	1.3 kg	1.8 kg
		More than 1500 kg up to 1600 kg	1.4kg	1.9 kg

#All Calibration Procedures are in-house procedures developed by this laboratory.