

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0089 Calibration
Name of Conformity Assessment Body	Lab Products & Services Services JCSS Calibration Service Sartorius Japan K.K.
Name of Legal Entity	Sartorius Japan K.K. JCN 2010701015145
Inquiry Point	Lab Products & Services Services JCSS Calibration Service TEL: +81-3-4586-0580      FAX: +81-3-4586-0581

\*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 0089 Calibration

Name of Conformity Assessment Body: Lab Products & Services  
Services JCSS Calibration Service  
Sartorius Japan K.K.

Name of Legal Entity: Sartorius Japan K.K.

Location of Conformity Assessment Body: 1-2-34 Ichigaya Sadohara-cho, Shinjuku-ku, Tokyo,  
162-0842, JAPAN

Scope of Accreditation: Mass, Volume (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: 2023-08-22

Expiry Date of Accreditation: 2027-08-21

Date of Initial Accreditation: 2000-12-21

TANAKA Hideaki

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: 2000-12-21

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 %) (Conventional Mass)	
			Laboratory's Permanent Laboratory	On-Site Calibration
Weight	Weight	20 kg	6.0 mg	0.10 g
		10 kg	3.3 mg	0.05 g
		5 kg	1.5 mg	-
		2 kg	0.7 mg	-
		1 kg	0.30 mg	-
		500 g	0.15 mg	-
		200 g	0.06 mg	-
		100 g	0.030 mg	-
		50 g	0.019 mg	-
		20 g	0.015 mg	-
		10 g	0.012 mg	-
		5 g	0.010 mg	-
		2 g	0.0080 mg	-
		1 g	0.0060 mg	-
		500 mg	0.0048 mg	-
		200 mg	0.0037 mg	-
		100 mg	0.0030 mg	-
		50 mg	0.0024 mg	-
		20 mg	0.0019 mg	-
		10 mg	0.0017 mg	-
		5 mg	0.0015 mg	-
		2 mg	0.0015 mg	-
		1 mg	0.0015 mg	-
		0.5 mg	0.0010 mg	-
	0.2 mg	0.0006 mg	-	
	0.1 mg	0.0006 mg	-	
	Deadweight	More than 10 kg up to 20 kg	0.10 g	-
		More than 5 kg up to 10 kg	50 mg	-
		More than 2 kg up to 5 kg	25 mg	-
		More than 1 kg up to 2 kg	10 mg	-
		More than 500 g up to 1 kg	5 mg	-
		More than 200 g up to 500 g	2.5 mg	-
		More than 100 g up to 200 g	1.0 mg	-
More than 50 g up to 100 g		0.5 mg	-	
More than 20 g up to 50 g		0.30 mg	-	
More than 10 g up to 20 g		0.25 mg	-	
More than 5 g up to 10 g	0.20 mg	-		
More than 2 mg up to 5 g	0.15 mg	-		

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

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %) (Conventional Mass)	
			Laboratory's Permanent Laboratory	On-Site Calibration
Scale	Non-Automatic Electronic Weighing Instruments	0 mg	0.058 µg	0.058 µg
		1 mg	3.2 µg	3.2 µg
		2 mg	3.2 µg	3.2 µg
		3 mg	6.3 µg	6.3 µg
		4 mg	6.3 µg	6.3 µg
		5 mg	3.2 µg	3.2 µg
		6 mg	6.3 µg	6.3 µg
		7 mg	6.3 µg	6.3 µg
		8 mg	9.5 µg	9.5 µg
		9 mg	9.5 µg	9.5 µg
		10 mg	3.8 µg	3.8 µg
		More than 10 mg up to 70 mg	9.9 µg	9.9 µg
		More than 70 mg less than 100 mg	14 µg	14 µg
		100 mg	7.0 µg	7.0 µg
		More than 100 mg less than 200 mg	12 µg	12 µg
		200 mg	8.7 µg	8.7 µg
		More than 200 mg less than 500 mg	23 µg	23 µg
		500 mg	11 µg	11 µg
		More than 500 mg less than 1 g	32 µg	32 µg
		1 g	14 µg	14 µg
		More than 1 g less than 2 g	33 µg	33 µg
		2 g	18 µg	18 µg
		More than 2 g less than 5 g	47 µg	47 µg
		5 g	23 µg	23 µg
		More than 5 g up to 6 g	36 µg	36 µg
		More than 6 g less than 10 g	70 µg	70 µg
		10 g	27 µg	27 µg
		More than 10 g less than 15 g	64 µg	64 µg
		15 g	50 µg	50 µg
		More than 15 g less than 20 g	86 µg	86 µg
		20 g	35 µg	35 µg
		More than 20 g less than 25 g	71 µg	71 µg
		25 g	58 µg	58 µg
More than 25 g less than 30 g	94 µg	94 µg		
30 g	62 µg	62 µg		
More than 30 g less than 37 g	99 µg	99 µg		
From 37 g less than 40 g	0.12 mg	0.12 mg		
From 40 g up to 42 g	0.088 mg	0.088 mg		
More than 42 g less than 50 g	0.13 mg	0.13 mg		

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Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %) (Conventional Mass)	
			Laboratory's Permanent Laboratory	On-Site Calibration
Scale	Non-Automatic Electronic Weighing Instruments	50 g	0.044 mg	0.044 mg
		More than 50 g up to 65 g	0.11 mg	0.11 mg
		More than 65 g less than 100 g	0.13 mg	0.13 mg
		100 g	0.071 mg	0.071 mg
		More than 100 g up to 150 g	0.13 mg	0.13 mg
		More than 150 g less than 200 g	0.18 mg	0.18 mg
		200 g	0.14 mg	0.14 mg
		More than 200 g up to 400 g	0.28 mg	0.28 mg
		More than 400 g up to 600 g	0.43 mg	0.43 mg
		More than 600 g up to 1100 g	1.1 mg	1.1 mg
		More than 1100 g up to 1500 g	1.3 mg	1.3 mg
		More than 1500 g up to 2000 g	1.7 mg	1.7 mg
		More than 2000 g up to 3500 g	2.7 mg	2.7 mg
		More than 3500 g up to 5200 g	3.7 mg	3.7 mg
		More than 5200 g up to 10000 g	11 mg	11 mg
		More than 10000 g up to 14000 g	71 mg	71 mg
		More than 14000 g up to 25000 g	0.16 g	0.16 g
		More than 25000 g up to 35000 g	0.22 g	0.22 g
		More than 35000 g up to 45000 g	0.28 g	0.28 g
		More than 45000 g up to 55000 g	0.34 g	0.34 g
		More than 55000 g up to 64000 g	0.40 g	0.40 g
		More than 64000 g up to 95000 g	1.8 g	1.8 g
More than 95000 g up to 150 kg	2.9 g	2.9 g		
More than 150 kg up to 300 kg	6.0 g	6.0 g		
More than 300 kg up to 600 kg	20 g	20 g		

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

General Field of Calibration: Volume

Date of Initial Accreditation of the Field: 2015-09-04

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 %)
Volumetric Apparatus	Pipette	From 0.2 $\mu$ L up to 3 $\mu$ L	0.03 $\mu$ L
		More than 3 $\mu$ L up to 5 $\mu$ L	0.04 $\mu$ L
		More than 5 $\mu$ L up to 10 $\mu$ L	0.05 $\mu$ L
		More than 10 $\mu$ L up to 20 $\mu$ L	0.08 $\mu$ L
		More than 20 $\mu$ L up to 30 $\mu$ L	0.10 $\mu$ L
		More than 30 $\mu$ L up to 50 $\mu$ L	0.13 $\mu$ L
		More than 50 $\mu$ L up to 100 $\mu$ L	0.20 $\mu$ L
		More than 100 $\mu$ L up to 120 $\mu$ L	0.24 $\mu$ L
		More than 120 $\mu$ L up to 150 $\mu$ L	0.30 $\mu$ L
		More than 150 $\mu$ L up to 200 $\mu$ L	0.39 $\mu$ L
		More than 200 $\mu$ L up to 300 $\mu$ L	0.57 $\mu$ L
		More than 300 $\mu$ L up to 500 $\mu$ L	0.90 $\mu$ L
		More than 500 $\mu$ L up to 1000 $\mu$ L	1.9 $\mu$ L
		More than 1000 $\mu$ L up to 1200 $\mu$ L	2.4 $\mu$ L
		More than 1200 $\mu$ L up to 2500 $\mu$ L	5.6 $\mu$ L
		More than 2500 $\mu$ L up to 5 mL	13 $\mu$ L
More than 5 mL up to 10 mL	34 $\mu$ L		

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