

Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0089 Calibration
Date of Initial Accreditation	2000-12-21
Effective Date of Accreditation	2019-09-04
Expiry Date of Accreditation	2023-09-03
Name and Location of Conformity Assessment Body	Lab Products & Services, Services JCSS Calibration Service, Sartorius Japan K.K. 1-2-34 Ichigaya Sadohara-cho Sinjuku-ku Tokyo 162-0842, Japan
Name of Legal Entity	Sartorius Japan K.K. JCN 2010701015145
Inquiry Point	Lab Products & Services JCSS Calibration Service Tel: +81-3-4586-0580      FAX: +81-3-4586-0581
Accreditation Requirements	ISO/IEC 17025:2017 and Accreditation Requirements in the Section 6 of Accreditation Scheme (JCSS)2nd Edition (Calibration)
Accreditation Scope	As attached

\*JCN: Japan Corporate Number

General Field of Calibration: MassDate of Initial Accreditation of the Field: 2000-12-21Permanent Laboratory/On-site Calibration: Permanent Laboratory, On-Site CalibrationCalibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %) (Conventional Mass)	
			Permanent Laboratory	On-Site Calibration
Weight	Weight	20 kg	12 mg	0.3 g
		10 kg	5.3 mg	0.15 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 %)	
			Permanent Laboratory	On-Site Calibration
Scale	Non-Automatic Electronic Weighing Instruments	1 mg	2.6 µg	2.6 µg
		2 mg	2.6 µg	2.6 µg
		3 mg	5.2 µg	5.2 µg
		4 mg	5.2 µg	5.2 µg
		5 mg	2.6 µg	2.6 µg
		6 mg	5.2 µg	5.2 µg
		7 mg	5.2 µg	5.2 µg
		8 mg	7.8 µg	7.8 µg
		9 mg	7.8 µg	7.8 µg
		10 mg	2.6 µg	2.6 µg
		15 mg	5.2 µg	5.2 µg
		20 mg	2.9 µg	3.0 µg
		30 mg	5.5 µg	5.5 µg
		40 mg	5.9 µg	5.9 µg
		50 mg	3.7 µg	3.7 µg
		60 mg	6.3 µg	6.3 µg
		70 mg	6.6 µg	6.6 µg
		80 mg	9.2 µg	9.2 µg
		90 mg	9.5 µg	9.5 µg
		100 mg	4.6 µg	4.6 µg
		120 mg	7.5 µg	7.5 µg
		150 mg	8.3 µg	8.3 µg
		200 mg	5.7 µg	5.7 µg
		250 mg	9.4 µg	9.4 µg
		300 mg	11 µg	11 µg
		350 mg	14 µg	14 µg
		400 mg	12 µg	12 µg
		450 mg	15 µg	15 µg
		500 mg	7.4 µg	7.4 µg
		550 mg	11 µg	11 µg
600 mg	12 µg	12 µg		
650 mg	16 µg	16 µg		
700 mg	13 µg	13 µg		
750 mg	17 µg	17 µg		
800 mg	18 µg	18 µg		
850 mg	22 µg	22 µg		
900 mg	19 µg	19 µg		

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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	1 g	9.2 µg	9.3 µg
		More than 1 g up to 1.5 g	17 µg	17 µg
		More than 1.5 g less than 2 g	23 µg	24 µg
		2 g	13 µg	13 µg
		More than 2 g less than 3 g	26 µg	26 µg
		3 g	22 µg	22 µg
		4 g	25 µg	25 µg
		5 g	16 µg	17 µg
		6 g	25 µg	26 µg
		7 g	28 µg	29 µg
		8 g	37 µg	39 µg
		9 g	40 µg	42 µg
		10 g	19 µg	23 µg
		15 g	34 µg	39 µg
		20 g	24 µg	35 µg
		25 g	39 µg	51 µg
		30 g	43 µg	57 µg
		40 g	0.049 mg	0.071 mg
		50 g	0.035 mg	0.073 mg
		More than 50 g less than 100 g	0.081 mg	0.14 mg
		100 g	0.056 mg	0.14 mg
		More than 100 g less than 150 g	0.096 mg	0.19 mg
		150 g	0.088 mg	0.21 mg
		More than 150 g less than 200 g	0.15 mg	0.28 mg
		200 g	0.11 mg	0.28 mg
		More than 200 g up to 300 g	0.21 mg	0.45 mg
		More than 300 g up to 400 g	0.26 mg	0.59 mg
		More than 400 g up to 500 g	0.31 mg	0.73 mg
		More than 500 g up to 600 g	0.37 mg	0.87 mg
		More than 600 g up to 2000 g	1.8 mg	3.3 mg
		More than 2000 g up to 5000 g	3.2 mg	7.4 mg
		More than 5000 g up to 8000 g	15 mg	24 mg
More than 8000 g up to 14 kg	31 mg	44 mg		
More than 14 kg up to 35 kg	0.16 g	0.22 g		
More than 35 kg up to 64 kg	0.50 g	0.55 g		
More than 64 kg up to 150 kg	2.0 g	2.9 g		
More than 150 kg up to 300 kg	4.0 g	5.9 g		
More than 300 kg up to 600 kg	33 g	54 g		

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General Field of Calibration: VolumeDate of Initial Accreditation of the Field: 2015-09-04Permanent Laboratory/On-site Calibration: Permanent LaboratoryCalibration 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 $\mu\text{L}$ up to 3 $\mu\text{L}$	0.03 $\mu\text{L}$
		More than 3 $\mu\text{L}$ up to 5 $\mu\text{L}$	0.04 $\mu\text{L}$
		More than 5 $\mu\text{L}$ up to 10 $\mu\text{L}$	0.05 $\mu\text{L}$
		More than 10 $\mu\text{L}$ up to 20 $\mu\text{L}$	0.08 $\mu\text{L}$
		More than 20 $\mu\text{L}$ up to 30 $\mu\text{L}$	0.10 $\mu\text{L}$
		More than 30 $\mu\text{L}$ up to 50 $\mu\text{L}$	0.13 $\mu\text{L}$
		More than 50 $\mu\text{L}$ up to 100 $\mu\text{L}$	0.20 $\mu\text{L}$
		More than 100 $\mu\text{L}$ up to 120 $\mu\text{L}$	0.24 $\mu\text{L}$
		More than 120 $\mu\text{L}$ up to 150 $\mu\text{L}$	0.30 $\mu\text{L}$
		More than 150 $\mu\text{L}$ up to 200 $\mu\text{L}$	0.39 $\mu\text{L}$
		More than 200 $\mu\text{L}$ up to 300 $\mu\text{L}$	0.57 $\mu\text{L}$
		More than 300 $\mu\text{L}$ up to 500 $\mu\text{L}$	0.90 $\mu\text{L}$
		More than 500 $\mu\text{L}$ up to 1000 $\mu\text{L}$	1.9 $\mu\text{L}$
		More than 1000 $\mu\text{L}$ up to 1200 $\mu\text{L}$	2.4 $\mu\text{L}$
		More than 1200 $\mu\text{L}$ up to 2500 $\mu\text{L}$	5.6 $\mu\text{L}$
		More than 2500 $\mu\text{L}$ up to 5 mL	13 $\mu\text{L}$
More than 5 mL up to 10 mL	34 $\mu\text{L}$		

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