International Accreditation Japan

Information on Accredited Calibration Laboratory

Date of the update of the information : 2026-04-01

Accreditation Identification:	ASNITE 0005 Calibration
Name of Calibration Laboratory :	CERI TOKYO, Chemicals Evaluation and Research Institute, JAPAN
Location of Calibration Laboratory :	1600 Shimotakano, Sugito-machi, Kitakatsushika-gun, Saitama 345-0043, JAPAN
Name of Legal Entity:	Chemicals Evaluation and Research Institute, JAPAN
Conformance Accreditation Standard:	ISO/IEC 17025:2017
Expiry Date of Accreditation :	2028-01-31

Accreditation Category for Calibration Laboratory: Chemistry
Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility

Quantity	Calibration and Measurement Capabilities			Effective Date of Accreditation
	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)	
Standard gas (jcss)	Methane (air dilution)	From 1 vol ppm to less than 5 vol ppm	0.50 %	2023-02-01
		From 5 vol ppm to 50 vol ppm	0.20 %	
	Propane (air dilution)	From 3.5 vol ppm to 500 vol ppm	0.25 %	
	Propane (nitrogen dilution)	From 150 vol ppm to 1.5 vol %	0.25 %	
	Carbon monoxide (nitrogen dilution)	From 3 vol ppm to less than 10 vol ppm	0.40 %	
		From 10 vol ppm to 15 vol %	0.30 %	
	Carbon dioxide (nitrogen dilution)	From 3 vol ppm to less than 200 vol ppm	0.45 %	
		From 200 vol ppm to 16 vol %	0.30 %	
	Nitric oxide (nitrogen dilution)	From 0.05 vol ppm to less than 0.1 vol ppm	12 %	
		0.1 vol ppm	4.5 %	
		More than 0.1 vol ppm to less than 0.5 vol ppm	3.0 %	
		From 0.5 vol ppm to less than 1 vol ppm	0.80 %	
		From 1 vol ppm to 5 vol %	0.40 %	
	Nitric dioxide (air dilution)	From 5 vol ppm to 50 vol ppm	0.80 %	
	Oxygen (nitrogen dilution)	From 1 vol % to 25 vol %	0.15 %	
		From 98 vol % to 100 vol %	0.05 %	
	Sulfur dioxide (air dilution)	From 0.05 vol ppm to less than 0.1 vol ppm	19 %	
		0.1 vol ppm	9.0 %	
	Sulfur dioxide (nitrogen dilution)	From 0.1 vol ppm to less than 0.5 vol ppm	3.2 %	
		From 0.5 vol ppm to less than 1 vol ppm	0.80 %	
		From 1 vol ppm to less than 20 vol ppm	0.60 %	
		From 20 vol ppm to 1 vol %	0.40 %	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)	
Standard gas (jcss)	Ammonia (nitrogen dilution)	From 20 vol ppm to 100 vol ppm	1.5 %	2023-02-01
	Ethanol (nitrogen dilution)	From 100 vol ppm to less than 500 vol ppm	0.9 %	
		500 vol ppm	0.6 %	
	Ethanol (air dilution)	From 100 vol ppm to less than 500 vol ppm	1.1 %	
		500 vol ppm	0.7 %	
	Zero gas (Air or N_2)	coexisting analytes CH_4: 0.1 vol ppm or less than, CO: 0.1 vol ppm or less than, CO_2: 0.1 vol ppm or less than, NOx: 0.005 vol ppm or less than, SO_2: 0.005 vol ppm or less than	—	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)	
Standard gas (CCQM)	Methane (air dilution)	From 1 vol ppm to less than 10 vol ppm	3.6 % to 0.36 %	2023-02-01
		From 10 vol ppm to 50 vol ppm	0.36 %	
	Propane (air dilution)	From 3.5 vol ppm to less than 10 vol ppm	0.31 % to 0.25 %	
		From 10 vol ppm to 500 vol ppm	0.25 %	
	Propane (nitrogen dilution)	From 150 vol ppm to 1.5 vol %	0.25 %	
	Carbon monoxide (nitrogen dilution)	From 3 vol ppm to less than 5 vol ppm	0.60 % to 0.40 %	
		From 5 vol ppm to 15 vol %	0.40 %	
	Carbon dioxide (nitrogen dilution)	From 10 vol ppm to 16 vol %	0.36 %	
	Nitric oxide (nitrogen dilution)	From 0.1 vol ppm to less than 10 vol ppm	32 % to 0.40 %	
		From 10 vol ppm to 5 vol %	0.40 %	
	Nitric dioxide (air dilution)	From 5 vol ppm to 50 vol ppm	3.0 %	
	Oxygen (nitrogen dilution)	From 1.0 vol % to 25 vol %	0.15 %	
	Sulfur dioxide (nitrogen dilution)	From 0.1 vol ppm to less than 10 vol ppm	60 % to 0.60 %	
		From 10 vol ppm to 1 vol %	0.60 %	
	Ammonia (nitrogen dilution)	From 20 vol ppm to 100 vol ppm	1.5 %	
	Ethanol (nitrogen dilution)	From 100 vol ppm to 500 vol ppm	1.1 %	
	Ethanol (air dilution)	From 100 vol ppm to 500 vol ppm	1.1 %	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)	
Standard gas (CCQM)	8 Mixture (nitrogen dilution)			2023-02-01
	Benzene	50 vol ppb ~ 100 vol ppm	2 % to 1 %	
	Chloroform		2 % to 1 %	
	Dichloromethane		2 % to 1 %	
	Trichloroethylene		2 % to 1 %	
	1,2-Dichloroethane		3 % to 2 %	
	Tetrachloroethylen		2 % to 1 %	
	1,3-Butadiene		2 % to 1 %	
	Vinyl chloride		2 % to 1 %	
	5 Mixture (nitrogen dilution)			
	Benzene	20 vol ppb ~ 100 vol ppb	1.6 vol ppb *	
	Toluene		1.0 vol ppb *	
	m - Xylene		1.0 vol ppb *	
	o - Xylene		1.0 vol ppb *	
	Ethylbenzen		1.0 vol ppb *	
	3 Mixture (nitrogen dilution)			
	Benzene	2 vol ppb ~ 20 vol ppb	0.9 vol ppb *	
	Toluene		0.7 vol ppb *	
	o - Xylene		0.7 vol ppb *	

note) ＊: ablolute value

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Quantity	Calibration and Measurement Capabilities					Effective Date of Accreditation
	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Diluted Solution	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)		
				From 100 mg/L less than 1000 mg/L	1000 mg/L	
Standard solution	Chloroform	From 100mg/L to 1000 mg/L	Methanol	2.0 %	1.7 %	2023-02-01
			Hexane	0.6 %	0.7 %	
	1,2-Dichloroethane	From 100mg/L to 1000 mg/L	Methanol	0.8 %	1.3 %	
			Hexane	1.6 %	0.8 %	
	Dichloromethane	From 100mg/L to 1000 mg/L	Methanol	1.5 %	1.4 %	
			Hexane	1.4 %	1.2 %	
	Carbon tetrachloride	From 100mg/L to 1000 mg/L	Methanol	2.0 %	1.2 %	
			Hexane	1.9 %	0.8 %	
	Tetrachloroethylene	From 100mg/L to 1000 mg/L	Methanol	2.8 %	1.7 %	
			Hexane	0.6 %	0.8 %	
	Toluene	From 100mg/L to 1000 mg/L	Methanol	0.9 %	2.4 %	
			Hexane	0.9 %	2.0 %	
	Trichloroethylene	From 100mg/L to 1000 mg/L	Methanol	2.4 %	1.6 %	
			Hexane	0.8 %	1.3 %	
	Benzene	From 100mg/L to 1000 mg/L	Methanol	1.0 %	0.8 %	
			Hexane	0.6 %	0.6 %	
	o-Xylene	From 100mg/L to 1000 mg/L	Methanol	1.0 %	0.8 %	
			Hexane	0.7 %	0.8 %	
	m-Xylene	From 100mg/L to 1000 mg/L	Methanol	1.2 %	0.7 %	
			Hexane	0.7 %	0.7 %	
	p-Xylene	From 100mg/L to 1000 mg/L	Methanol	1.0 %	0.8 %	
			Hexane	0.7 %	0.6 %	
	1,1-Dichloroethylene	From 100mg/L to 1000 mg/L	Methanol	1.5 %	1.2 %	
			Hexane	0.8 %	1.3 %	
	cis-1,3-Dichloropropene	From 100mg/L to 1000 mg/L	Methanol	1.3 %	1.2 %	
			Hexane	1.6 %	0.9 %	
	cis-1,2-Dichloroethylene	From 100mg/L to 1000 mg/L	Methanol	0.9 %	0.7 %	
			Hexane	1.0 %	0.9 %	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Diluted Solution	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)		
				From 100 mg/L less than 1000 mg/L	1000 mg/L	
Standard solution	1,1,1-Trichloroethane	From 100mg/L to 1000 mg/L	Methanol	1.8 %	0.8 %	2023-02-01
			Hexane	1.3 %	0.9 %	
	1,1,2-Trichloroethane	From 100mg/L to 1000 mg/L	Methanol	0.9 %	0.6 %	
			Hexane	0.8 %	0.8 %	
	trans-1, 3-Dichloropropene	From 100mg/L to 1000 mg/L	Methanol	1.5 %	1.3 %	
			Hexane	0.8 %	0.8 %	
	Diethyl phthalate	1000 mg/L	Methanol	—	0.9 %	
			Hexane	—	0.7 %	
	Di-*n*-butyl phthalate	1000 mg/L	Methanol	—	0.8 %	
			Hexane	—	1.0 %	
	Di-2-ethylhexyl phthalate	1000 mg/L	Methanol	—	0.9 %	
			Hexane	—	1.5 %	
	Butylbenzyl phthalate	1000 mg/L	Methanol	—	0.5 %	
			Hexane	—	0.7 %	
	4-*t*-Octylphenol	1000 mg/L	Methanol	—	0.4 %	
			Hexane	—	0.7 %	
	4-*t*-Butylphenol	1000 mg/L	Methanol	—	0.5 %	
			Hexane	—	0.5 %	
	4-*n*-Heptylphenol	1000 mg/L	Methanol	—	0.7 %	
			Hexane	—	0.5 %	
	Tribromomethane	From 100mg/L to 1000 mg/L	Methanol	0.3 %	0.3 %	
			Hexane	0.4 %	0.3 %	
	Bromodichloromethane	From 100mg/L to 1000 mg/L	Methanol	0.4 %	0.3 %	
			Hexane	0.4 %	0.3 %	
	Dibromochloromethane	From 100mg/L to 1000 mg/L	Methanol	0.3 %	0.2 %	
			Hexane	0.4 %	0.3 %	
	trans-1,2-Dichloroethylene	From 100mg/L to 1000 mg/L	Methanol	0.5 %	0.3 %	
			Hexane	0.3 %	0.4 %	
	1,2-Dichloropropane	From 100mg/L to 1000 mg/L	Methanol	0.4 %	0.4 %	
			Hexane	0.5 %	0.5 %	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Diluted Solution	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)		
				From 100 mg/L less than 1000 mg/L	1000 mg/L	
Standard solution	1,4-Dichlorobenzene	From 100mg/L to 1000 mg/L	Methanol	0.4 %	0.3 %	2023-02-01
			Hexane	0.4 %	0.3 %	
	Bisphenol A	1000 mg/L	Methanol	—	0.3 %	
			Hexane	—	—	
	4-*n*-Nonylphenol	1000 mg/L	Methanol	—	0.4 %	
			Hexane	—	0.5 %	
	2,4-Dichrolophenol	1000 mg/L	Methanol	—	0.4 %	
			Hexane	—	0.4 %	

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				From 100 mg/L less than 1000 mg/L	1000 mg/L	
Standard solution	23 VOC Mixture Standard Solution					2023-02-01
	Dichloromethane	1000 mg/L	Methanol	—	0.5 %	
	Chloroform				0.5 %	
	Carbon tetrachloride				0.5 %	
	Trichloroethylene				0.5 %	
	Tetrachloroethylene				0.5 %	
	1,2-Dichloroethane				0.5 %	
	Toluene				0.5 %	
	Benzene				0.5 %	
	o-Xylene				0.5 %	
	m-Xylene				0.5 %	
	p-Xylene				0.5 %	
	1,1,1-Trichloroethane				0.5 %	
	1,1-Dichloroethylene				1.0 %	
	cis-1,2-Dichloroethylene				0.5 %	
	1,1,2-Trichloroethane				0.5 %	
	trans-1,3-Dichrolopropene				2.5 %	
	cis-1,3-Dichrolopropene				2.0 %	
	Tribromomethane				0.5 %	
	Bromodichloromethane				0.5 %	
	Dibromochloromethane				0.5 %	
	trans-1,2-Dichloroethylene				0.5 %	
	1,2-Dichloropropane				0.5 %	
	1,4-Dichlorobenzene				0.5 %	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Diluted Solution	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)		
				From 100 mg/L less than 1000 mg/L	1000 mg/L	
Standard solution	6 Alkylphenol Mixture Standard Solution					2023-02-01
	4-*t*-Octylphenol	100 mg/L	Methanol	0.5 %	-	
	2,4-Dichlorophenol			0.5 %	-	
	4-*n*-Nonylphenol			1.0 %	-	
	Bisphenol A			1.0 %	-	
	4-*t*-Butylphenol			0.5 %	-	
	4-*n*-Heptylphenol			1.0 %	-	
	5 Alkylphenol Mixture Standard Solution					
	4-*t*-Octylphenol	100 mg/L	Hexane	0.5 %	-	
	2,4-Dichlorophenol			0.5 %	-	
	4-*n*-Nonylphenol			1.0 %	-	
	4-*t*-Butylphenol			1.0 %	-	
	4-*n*-Heptylphenol			1.0 %	-	
	8 Ester Phthalates Mixture Standard Solution					
	Diethylphthalate	100 mg/L	Hexane	0.5 %	-	
	Di-2-ethylhexyl phthalate			1.0 %	-	
	Di-*n*-buthyl phthalate			0.5 %	-	
	Butylbenzyl phthalate			0.5 %	-	
	Di-*n*-hexyl phthalate			1.0 %	-	
	Dicyclohexyl phthalate			1.0 %	-	
	Di-*n*-pentyl phthalate			0.5 %	-	
	Di-*n*-propyl phthalate			1.5 %	-	

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	Calibration Procedures and Type of Instruments/Materials to be calibrated	Measurand Level or Range	Diluted Solution	Expanded Uncertainty (level of confidence approximately 95 %) (relative value)		
				From 100 mg/L less than 1000 mg/L	1000 mg/L	
Standard solution	Di-*n*-hexyl phthalate	100 mg/L	Hexane	1.0 %	—	2023-02-01
	Dicyclohexyl phthalate	100 mg/L	Hexane	1.0 %	—	
	Di-*n*-pentyl phthalate	100 mg/L	Hexane	0.5 %	—	
	Di-*n*-propyl phthalate	100 mg/L	Hexane	1.5 %	—	

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Purity determination by NMR method (including purity verification by GC method)	High-purity organic reference materials	From 0.900 kg/kg to 1.000 kg/kg	0.5 %	2023-02-01
Purity determination by NMR method (including purity verification by HPLC method)	High-purity organic reference materials	From 0.900 kg/kg to 1.000 kg/kg	0.5 %	

(End of Attachment)