

Testing Laboratory

Accreditation Certificate

Accreditation No. RTL02330



JAB



NAITOH Environmental Science Co., Ltd.

***2051-2, Daitakubo, Minami-ku, Saitama-shi, Saitama,
336-0015 Japan***

meets the following criteria. On the basis of this, Japan Accreditation Board (JAB) grants accreditation to the said testing laboratory.

Applicable accreditation criteria	: JIS Q 17025:2018 (ISO/IEC 17025:2017)
Scope of accreditation	: Chemical testing, Food and Drug testing (As described in the appendix)
Premises covered by accreditation	: As described in the appendix.
Expiry date of accreditation	: May 31, 2023

Revised (11)	February 9, 2021
Renewed (3)	May 24, 2019
Initial accreditation	July 27, 2007

Y. Iizuka, President

Japan Accreditation Board

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Type of Laboratory	Testing Laboratory
Name of Laboratory	NAITOH Environmental Science Co., Ltd.
Address	2051-2, Daitakubo, Minami-ku, Saitama-shi, Saitama, 336-0015, Japan

1) Premises on which testing activities are performed

Name of Premises	NAITOH Environmental Science Co., Ltd.		
Address of Premises	Postal code	336-0015	
	Address	2051-2, Daitakubo, Minami-ku, Saitama-shi, Saitama, Japan	
Testing service at permanent facilities or on site testing service	<input checked="" type="checkbox"/> Testing service at permanent facilities <input type="checkbox"/> On site testing service		

Scope of Accreditation

FIELD	M26 Chemical Testing
CODE OF CIT*1	M26.A1
NAME OF CIT	Metal, Raw materials, Related products

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.1 Absorption spectrophotometry: UV-visible absorption spectrophotometry	$0.05 \mu\text{g}/\text{cm}^2 \leq \text{Cr (VI)}$	IEC 62321-7-1
B2.4 Emission spectrophotometry: ICP-OES	$2 \text{ mg/kg} \leq \text{Cd}$ $\leq 2500 \text{ mg/kg}$ $10 \text{ mg/kg} \leq \text{Pb}$ $\leq 2500 \text{ mg/kg}$ $10 \text{ mg/kg} \leq \text{Cr}$ $\leq 2500 \text{ mg/kg}$	IEC 62321-5 Partially modify (expansion of minimum limit of Cd)
B3.7 Mass spectrometry II: ICP-MS	$10 \text{ mg/kg} \leq \text{Hg}$ $\leq 2000 \text{ mg/kg}$	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0

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Type of Laboratory	Testing Laboratory
Name of Laboratory	NAITOH Environmental Science Co., Ltd.
Address	2051-2, Daitakubo, Minami-ku, Saitama-shi, Saitama, 336-0015 Japan

Scope of Accreditation

FIELD	M26 Chemical Testing
CODE OF CIT ^{*1}	M26.A5
NAME OF CIT	Ceramics, Glass, Raw materials, Related products

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT ^{*2}	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.4 Emission spectrophotometry: ICP-OES	2 mg/kg \leq Cd \leq 2500 mg/kg 10 mg/kg \leq Pb \leq 2500 mg/kg 10 mg/kg \leq Cr \leq 2500 mg/kg	IEC 62321-5 Partially modify (expansion of minimum limit of Cd)
B3.7 Mass spectrometry II: ICP-MS	10 mg/kg \leq Hg \leq 2000 mg/kg	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0

Scope of Accreditation

FIELD	M26 Chemical Testing
CODE OF CIT ^{*1}	M26.A6
NAME OF CIT	Electronic products, Related products

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT ^{*2}	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.4 Electronic products, Related products Emission spectrophotometry: ICP-OES	2 mg/kg \leq Cd \leq 2500 mg/kg 10 mg/kg \leq Pb \leq 2500 mg/kg 10 mg/kg \leq Cr \leq 2500 mg/kg	IEC 62321-5 Partially modify (expansion of minimum limit of Cd)
B3.7 Mass spectrometry II: ICP-MS	10 mg/kg \leq Hg \leq 2000 mg/kg	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0

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Address	2051-2, Daitakubo, Minami-ku, Saitama-shi, Saitama, 336-0015, Japan

Scope of Accreditation:

FIELD	M26 Chemical Testing
CODE OF CIT ¹⁾	M26.A8
NAME OF CIT	Resin · Rubber, Raw materials, Related products

*1 CIT: Classification of Item to be Tested
*2 TCT: Technical Classification of Test

CODE & NAME OF TCT ²⁾	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.1 Absorption spectrophotometry : UV-visible absorption spectrophotometry	10 mg/kg \leq Cr(VI) \leq 2500 mg/kg	IEC 62321 Annex C:2008, IEC 62321-7-2:2017
B2.2 Atomic absorption spectrophotometry : CV-AAS	0.2 mg/kg \leq Hg \leq 12 mg/kg	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0
	0.5 mg/kg \leq Hg \leq 12 mg/kg	EN 71-3, ISO 8124-3
B2.4 Emission spectrophotometry: ICP-OES	2 mg/kg \leq Cd \leq 2500 mg/kg	IEC 62321-5 Partially modify (expansion of minimum limit of Cd)
	10 mg/kg \leq Pb \leq 2500 mg/kg	
	10 mg/kg \leq Cr \leq 2500 mg/kg	EN 71-3:1995, ISO 8124-3
	2.5 mg/kg \leq Cd \leq 500 mg/kg	
5 mg/kg \leq Pb \leq 500 mg/kg	EPA 3052	
5 mg/kg \leq Cr \leq 500 mg/kg		
10 mg/kg \leq Sb \leq 15000 mg/kg		
B3.1 X-ray fluorescence spectrometry(XRF)	10 mg/kg \leq Be \leq 10000 mg/kg	IEC 62321 3-1
	10 mg/kg \leq P \leq 10000mg/kg	
	Hg \geq 100mg/kg	
	Cd \geq 100mg/kg	
	Pb \geq 100mg/kg	
	Cr \geq 100mg/kg	

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CODE & NAME OF TCT*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
	Br \geq 100mg/kg	
B3.6 Mass spectrometry I : GC/MS	100 mg/kg \leq PBBs, PBDEs \leq 2000 mg/kg 100 mg/kg \leq decaBDE \leq 100000 mg/kg	IEC 62321-6
	50 mg/kg \leq DIBP, DBP, BBP, DEHP, DNOP, DINP, DIDP \leq 100000 mg/kg	IEC 62321-8
B3.7 Mass spectrometry II: ICP-MS	10 mg/kg \leq Hg \leq 2000 mg/kg	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0
B5.1 Chromatography: Ion chromatography: Combustion-IC	50 mg/kg \leq Br \leq 10000 mg/kg 50 mg/kg \leq Cl \leq 10000 mg/kg 50 mg/kg \leq F \leq 10000 mg/kg 50 mg/kg \leq I \leq 10000 mg/kg	BS EN 14582 (Change the Automatic Combustion System (quartz glass Combustion tube))
	50 mg/kg \leq Br \leq 2000 mg/kg	IEC 62321 3-2 Partially modify (Change to the quantitative method from screening method)

Scope of Accreditation

FIELD	M26 Chemical Testing
CODE OF CIT*1	M26.A11
NAME OF CIT	Print materials (Ink, Dye, Adhesive, etc.)

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.4 Emission spectrophotometry: ICP-OES	2 mg/kg \leq Cd \leq 2500 mg/kg 10 mg/kg \leq Pb \leq 2500 mg/kg 10 mg/kg \leq Cr \leq 2500 mg/kg	IEC 62321-5 Partially modify (expansion of minimum limit of Cd)
B3.7 Mass spectrometry II: ICP-MS	10 mg/kg \leq Hg \leq 2000 mg/kg	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0

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Scope of Accreditation

FIELD	M26 Chemical Testing
CODE OF CIT ^{*1}	M26.A12
NAME OF CIT	Oil · Surfactant, Related products

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT ^{*2}	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B2.4 Emission spectrophotometry: ICP-OES	2 mg/kg \leq Cd \leq 2500 mg/kg 10 mg/kg \leq Pb \leq 2500 mg/kg 10 mg/kg \leq Cr \leq 2500 mg/kg	IEC 62321-5 Partially modify (expansion of minimum limit of Cd)
B3.7 Mass spectrometry II: ICP-MS	10 mg/kg \leq Hg \leq 2000 mg/kg	IEC 62321-4:2013 + IEC 62321-4 Amd.1 Ed.1.0

Scope of Accreditation

FIELD	M27 Food and Drug Testing
CODE OF CIT ^{*1}	M27.A4
MATERIALS OR PRODUCTS TESTED	Water : Tap Water

*1 CIT: Classification of Item to be Tested

*2 TCT: Technical Classification of Test

CODE & NAME OF TCT ^{*2}	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B1 Standard method	Standard Plate Count	Standard plate count ager method (Kokuji No. 261 attachment 1, Ministry of Health, Labor and Welfare) SOP : No.213-5483
	<i>E. coli</i>	Defined substrate method (Kokuji No. 261 attachment 2, Ministry of Health, Labor and Welfare) SOP : No.213-5484
	Cd, Se, Pb, As, Cr(VI), B, Zn, Al, Fe, Cu, Mn	Inductively coupled plasma mass spectrometry (Kokuji No. 261 attachment 6, Ministry of Health, Labor and Welfare)

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CODE & NAME OF TCI*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
		SOP : No.213-5478
	Hg	Reducing vaporization method for atomic absorption spectrometry (Kokuji No. 261 attachment 7, Ministry of Health, Labor and Welfare) SOP : No.213-5485
	Cyanide ion and Cyanogen chloride	Ion chromatograph - post-column absorption photometry (Kokuji No. 261 attachment 12, Ministry of Health, Labor and Welfare) SOP : No.213-5480
	Nitrite nitrogen, Nitrate nitrogen and Nitrite nitrogen, Fluoride, Chloride ion Chloric acid	Ion chromatography(Anionic) (Kokuji No. 261 attachment 13, Ministry of Health, Labor and Welfare) SOP : No.213-5479, No.213-5353, No.213-5390
	Carbon tetrachloride, 1,4-Dioxane, cis-1,2-Dichloroethylene and trans- 1,2-Dichloroethylene, Dichloromethane, Tetrachloroethylene, Trichloroethylene Benzene, Chloroform, Dibromochloromethane, Bromodichloromethane, Bromoform	Headspace gas chromatograph mass spectrometry (Kokuji No. 261 attachment 15, Ministry of Health, Labor and Welfare) SOP : No.213-5482
	Chloroacetic acid, Dichloroacetic acid, Trichloroacetic acid	Solvent extraction- derivatization gas chromatograph mass spectrometry (Kokuji No. 261 attachment 17, Ministry of Health, Labor and Welfare) SOP : No.213-5500
	Bromate	Ion chromatograph - post-column absorption photometry (Kokuji No. 261 attachment 18, Ministry of Health, Labor and Welfare) SOP : No.213-5479

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CODE & NAME OF TCT*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
	Formaldehyde	Solvent extraction- derivatization gas chromatograph mass spectrometry (Kokuji No. 261 attachment 19, Ministry of Health, Labor and Welfare) SOP: No.213-5487
	Sodium, Calcium, Magnesium(Hardness)	Ion chromatography(Cation) (Kokuji No. 261 attachment 20, Ministry of Health, Labor and Welfare) SOP : No.213-5479
	Anionic surface active agent	Solid-phase extraction high performance liquid chromatography (Kokuji No. 261 attachment 24, Ministry of Health, Labor and Welfare) SOP : No.213-5488
	Geosmin, 2-Methylisoborneol	Purge & trap gas chromatograph mass spectrometry (Kokuji No. 261 attachment 25, Ministry of Health, Labor and Welfare) SOP : No.213-5249
	Non-ionic surface active agent	Solid-phase extraction-spectrophotometry (Kokuji No. 261 attachment 28, Ministry of Health, Labor and Welfare) SOP : No.213-5490
	Phenols	Solid-phase extraction- derivatization gas chromatograph mass spectrometry (Kokuji No. 261 attachment 29, Ministry of Health, Labor and Welfare) SOP : No.213-5491
	Organic substances (Total Organic Carbon)	Total organic carbon meter measurement method (Kokuji No. 261 attachment 30, Ministry of Health, Labor and Welfare) SOP : No.213-5492
	Total residue	Gravimetric method (Kokuji No. 261 attachment 23, Ministry of Health, Labor and Welfare) SOP : No.213-5496
	pH Value	Glass electrode method (Kokuji No. 261 attachment 31, Ministry of Health, Labor and Welfare) SOP : No.213-5498

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CODE & NAME OF TCT ²	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
	Taste	Sensory test method (Kokuji No. 261 attachment 33, Ministry of Health, Labor and Welfare) SOP : No.SOP : 213-5493
	Odor	Sensory test method (Kokuji No. 261 attachment 34, Ministry of Health, Labor and Welfare) SOP : No.213-5495
	Color	Transmitted light measurement method (Kokuji No. 261 attachment 36, Ministry of Health, Labor and Welfare) SOP : No.213-5494
	Turbidity	Integrating-sphere photoelectric photometry (Kokuji No. 261 attachment 41, Ministry of Health, Labor and Welfare) SOP : No.213-5497
	Sampling	• Sampling and Preservation (Kokuji No. 261 each attachment, Ministry of Health, Labor and Welfare) SOP : No.213-5342

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