



JAB



Testing Laboratory
Accreditation
Certificate

Accreditation No. RTL04310

KAKEN Co., Ltd.
Head office/Mito Institute Engineering Department
Examination Analysis Section

1044 Hori, Mito, Ibaraki, 310-0903 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 17025:2005 (ISO/IEC 17025:2005)
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	: November 30, 2020

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system.

The management system requirements in ISO/IEC 17025:2005 meet the principles of ISO 9001:2008 and are aligned with its pertinent requirements.

Revised (1)	December 20, 2017
Initial accreditation	November 22, 2016

T. Oda, Chairman
Laboratory Accreditation Committee

Y. Iizuka, President
Japan Accreditation Board

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Type of Laboratory	Testing Laboratory
Name of Laboratory	KAKEN Co.,Ltd. Head office/Mito Institute Engineering Department Examination Analysis Section
Address	1044 Hori, Mito, Ibaraki, 310-0903 Japan

1) Premises on which testing activities are performed

Name of Premises	KAKEN Co.,Ltd. Head office/Mito Institute Engineering Department Examination Analysis Section	
Address of Premises	Postal code	310-0903
	Address	1044 Hori, Mito, Ibaraki, 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/A2/A15
NAME OF CIT	Environmental sample

*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
B9.1 Radioactivity analysis	Cs-134 Cs-137 I-131	Materials or Products Tested: A1 (Fabricated metal products), A2 (Environmental sample: Soil, Water (other than drinking water), Ash, Sludge, , Mushroom logs, Mushroom beds), A15 (Cement, Materials, Related products) -Gamma-ray Spectrometry using Germanium Semiconductor Detector (Radiation Measurement Method Series 7) (Ministry of Education, Culture, Sports, Science and Technology) -Sample Pre-treatment for Gamma-Ray Spectrometry in Radiological Emergency (Radiation Measurement Method Series 24) (Ministry of Education, Culture, Sports, Science and Technology) SOP: Radioactivity measurement manual (SOP003)
	Sr-90	Materials or Products Tested : A2 (Soil, Inland water, Sea water, Marine soil, Ash) Analysis Method of Radioactive Strontium (Radiation Measurement Method Series 2) (Ministry of Education, Culture, Sports, Science and Technology) Sampling Method for Environmental Samples (Radiation Measurement Method Series 16)



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Type of Laboratory	Testing Laboratory
Name of Laboratory	KAKEN Co.,Ltd. Head office/Mito Institute Engineering Department Examination Analysis Section
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CODE & NAME OF TCT*2	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
		(Ministry of Education, Culture, Sports, Science and Technology) SOP: Radioactive Strontium measurement manual (SOP008)
	H-3	Materials or Products Tested : A2 (Water) Analysis Method of Tritium (Radiation Measurement Method Series 9) (Ministry of Education, Culture, Sports, Science and Technology) SOP: Tritium measurement manual (SOP012)

FIELD	M27 Food and Drug Testing
CODE OF CIT*1	M27.A1/A4/A20.5
MATERIALS OR PRODUCTS TESTED	Foods, Manure, Feeds/Waters/ Crude drugr

*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
B17.1 Radioactivity analysis	Cs-134 Cs-137	Materials or Products Tested : A1 (Foods, Infant food, Milk), A4 (Drinking water) Method for testing radioactive cesium in food (Ministry of Health, Labour and Welfare, March 15 2012, attachment) SOP: Radioactivity measurement manual (SOP003)
	Sr-90	Materials or Products Tested : A1 (Foods, Infant food, Milk, Manure, Feeds), A4 (Drinking water) Analysis Method of Radioactive Strontium (Radiation Measurement Method Series 2) (Ministry of Education, Culture, Sports, Science and Technology) Sampling Method for Environmental Samples (Radiation Measurement Method Series 16) (Ministry of Education, Culture, Sports, Science and Technology) SOP: Radioactive Strontium measurement manual (SOP008)



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CODE & NAME OF TCT ²	PROPERTIES MEASURED	TEST METHOD STANDARD / STANDARD OPERATING PROCEDURE
B17.1 Radioactivity analysis	Cs-134 Cs-137 I-131	Materials or Products Tested : A1 (Foods, Manure, Feeds) -Gamma-ray Spectrometry using Germanium Semiconductor Detector (Radiation Measurement Method Series 7) (Ministry of Education, Culture, Sports, Science and Technology) -Sample Pre-treatment for Gamma-Ray Spectrometry in Radiological Emergency (Radiation Measurement Method Series 24) (Ministry of Education, Culture, Sports, Science and Technology) SOP: Radioactivity measurement manual (SOP003)
	I-131	Materials or Products Tested : A1 (Foods), A4 (Drinking water) Manual on radiation measurement of food in emergency situations (Ministry of Health, Labour and Welfare, March 15 2002) Chapter 2 Radioactive analyses in food 2 Radioactivity analysis by gamma-ray spectrometry with germanium semiconductor detector SOP: Radioactivity measurement manual (SOP003)
	I-131 Cs-134 Cs-137	Materials or Products Tested : A20.5 (Crude drug) Radioactivity measurement guideline of crude medicines (December 2011 The Federation of Pharmaceutical Manufacturers' Association of Japan) Chapter 3 Measurements by gamma-ray spectrometry with germanium semiconductor detector SOP: Radioactivity measurement manual (SOP003)
	H-3	Materials or Products Tested : A4 (Drinking water) Analysis Method of Tritium (Radiation Measurement Method Series 9) (Ministry of Education, Culture, Sports, Science and Technology) SOP: Tritium measurement manual (SOP012)

Japan Accreditation Board