



Radiation Measurement Results of 148 Items in September






When samples include natural radionuclides we can't deny the possibility of their radiation value counted together in our results.

The list below only shows the measurement results of the samples brought in.

Radioactive contamination level may differ according to sampling points even within the same address.

★Gamma-ray

Measuring instrument		Feature	Guide to lower limit※
Na I Scintillation Spectrometer			
Product of ATOMTEX AT1320A 	Product of BERTHOLD LB2045 	· Gamma-ray spectrometer with Na I scintillation detector.	Food (Sample 1kg) Lower limit 1.0Bq/Kg Soil (Sample 1kg) Lower limit 2.5Bq/Kg Material (Sample 1kg) Lower limit 1.0Bq/Kg Water (Sample 20L) Lower limit 0.02Bq/L
Germanium Semiconductor detector			
ORTEC GEM30-70 		· Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." · Relative efficiency 35%	Food (Sample 2kg) Lower limit 0.04Bq/Kg Soil (Sample 1kg) Lower limit 0.06Bq/Kg Material (Sample 1kg) Lower limit 0.06Bq/Kg Water (Sample 20L) Lower limit 0.001Bq/L

※The lower limit varies depending on the sample weight and measurement time.

Measuring instrument: Na I Scintillation Spectrometer (Bq/kg raw: Weight of raw sample Bq/kg dry: Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result	Uncertainty	Total Amount of Cesium	Minimum Limit of Detection		
Taro	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.4 Bq/kg raw
Sweet potato	Taira shimotakaku, Iwaki	Sep-20	Cs137	2.8 Bq/kg raw	± 1.00 Bq/kg raw	2.8	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.2 Bq/kg raw
Sweet potato	Ibaraki pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.0 Bq/kg raw
Sweet potato	Chiba pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.2 Bq/kg raw
Eggplant	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.4 Bq/kg raw
Burdock	Aomori pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.3 Bq/kg raw
Lotus root	Ibaraki pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.2 Bq/kg raw
Welsh onion	Naroyo, Hokkaido	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.0 Bq/kg raw
Leek	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Cauliflower	Nagano Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.4 Bq/kg raw
Green bean	Fukushima Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Asparagus	Fukushima Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.3 Bq/kg raw
Malabar spinach	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.8 Bq/kg raw
Potherb mustard	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.2 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	3.1 Bq/kg raw

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Moloheiya	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.2 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	3.2 Bq/kg raw
Moloheiya	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.9 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	3.7 Bq/kg raw
Celery	USA (production)	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.4 Bq/kg raw
Celery	Nagano pref.	Aug-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Wax gourd	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Pumpkin	Izumi, Iwaki	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.6 Bq/kg raw
Spaghetti squash	Okayama pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.5 Bq/kg raw
Butternut	Iwaki city	Aug-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.3 Bq/kg raw
Perilla (seed)	Taira shimohirakubo, Iwaki	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	3.2 Bq/kg raw
Butterbur(boiled)	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.2 Bq/kg raw
Olive (preserved in salt)	Spain (production)	Jan-19	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.5 Bq/kg raw
Plum (preserved in shochu)	Yonezawa, Yamagata	Aug-20	Cs137	2.9 Bq/kg raw	± 2.3 Bq/kg raw	2.9	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Chestnut(fruit)	Ibaraki Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.4 Bq/kg raw
Chestnut(peel)	Ibaraki Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	3.0 Bq/kg raw
Chestnut(peel)	Kashima-ku, Minamisoma, Fukushima	Sep-20	Cs137	5.7 Bq/kg raw	± 2.1 Bq/kg raw	5.7	Cs137	2.9 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.7 Bq/kg raw
Dried sweet potato	Hitachinaka, Ibaraki	Aug-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.2 Bq/kg raw
Apple	Fukushima Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Pear	Fukushima Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.2 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.1 Bq/kg raw
Pear	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.5 Bq/kg raw
Persimmon(pulp)	Wakayama Pref.	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.8 Bq/kg raw
Water melon	Onahamakamikaziro, Iwaki	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.3 Bq/kg raw
Fig	Kashima-ku, Minamisoma, Fukushima	Sep-20	Cs137	3.7 Bq/kg raw	± 1.3 Bq/kg raw	3.7	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.7 Bq/kg raw
Fig	Iwaki city	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.6 Bq/kg raw
Sudachi	Tairashimokabeya, Iwaki	Aug-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.8 Bq/kg raw

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But it does not necessary mean 0(zero)Bq/kg.

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Kabosu	Oita Pref.	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.5 Bq/kg raw
Saury(whole)	Fukushima Pref.	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.1 Bq/kg raw
Dark sleeper (whole)	Aomori Pref.	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.8 Bq/kg raw
Horse mackerel(whole)	Toyama Pref.	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.1 Bq/kg raw
Yellowtail (bony parts)	Chiba Pref.	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.2 Bq/kg raw
Seabream (bony parts)	Ehime Pref.	Aug-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Dried small sardines	Sanuki,Kagawa	2020	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.5 Bq/kg raw
Seaweed (with sand)	Matsushita Beach/Iwaki city	Sep-20	Cs137	9.7 Bq/kg raw	±	3.5 Bq/kg raw	9.7	Cs137	4.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.1 Bq/kg raw
Mulberry tea	Nihonmatsu, Fukushima	2020	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.7 Bq/kg raw
Wild grass mulberry tea	Nihonmatsu, Fukushima	2020	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.8 Bq/kg raw
Wild sesame (powder)	Samegawa, Higashishirakawa, Fukushima	2020	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.5 Bq/kg raw
Soy sauce	Towada, Aomori	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.9 Bq/kg raw
Miso	Taira shimokabeya, Iwaki	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.3 Bq/kg raw
Tama Konjac	Japan (production)	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.2 Bq/kg raw
Boiled fish paste	Iwaki city	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.4 Bq/kg raw
Soy milk	Japan (production)	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.2 Bq/kg raw
Yogurt	Japan (production)	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.1 Bq/kg raw
Orange jelly	Toyoda, Aichi	Aug-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.3 Bq/kg raw
Chinese cabbage pickles	Japan (production)	Aug-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.3 Bq/kg raw
Pancake mix	Kyusyu (production)	2020	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.5 Bq/kg raw
Pickles Powder	Iwaki city	Aug-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.1 Bq/kg raw
Soil	Fukushima, Fukushima Pref.	Aug-20	Cs137	3440.0 Bq/kg dry	±	368.0 Bq/kg dry	3633.0	Cs137	16.0 Bq/kg dry
			Cs134	193.0 Bq/kg dry	±	26.0 Bq/kg dry		Cs134	15.7 Bq/kg dry
Soil	Shinti, Soma, Fukushima	Sep-20	Cs137	914.0 Bq/kg dry	±	183.0 Bq/kg dry	982.3	Cs137	4.1 Bq/kg dry
			Cs134	68.3 Bq/kg dry	±	13.7 Bq/kg dry		Cs134	3.8 Bq/kg dry
Soil	Yagawase, Taira, Iwaki	Aug-20	Cs137	23.2 Bq/kg dry	±	3.3 Bq/kg dry	23.2	Cs137	3.4 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	3.6 Bq/kg dry

※"_" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Soil (in the park)	Momiji, Iwaki	Sep-20	Cs137	60.9 Bq/kg dry	± 7.9 Bq/kg dry	60.9	Cs137	5.7 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	5.1 Bq/kg dry	
Soil(in the park) Sand Box	Momiji, Iwaki	Sep-20	Cs137	12.2 Bq/kg dry	± 1.7 Bq/kg dry	12.2	Cs137	1.8 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.5 Bq/kg dry	
Soil(in the park) under the Playground equipment	Tsukuda, Taira, Iwaki	Aug-20	Cs137	691.0 Bq/kg dry	± 73.7 Bq/kg dry	731.4	Cs137	2.8 Bq/kg dry	
			Cs134	40.4 Bq/kg dry	± 5.6 Bq/kg dry		Cs134	3.5 Bq/kg dry	
Soil (in the park)	Tsukuda, Taira, Iwaki	Aug-20	Cs137	669.0 Bq/kg dry	± 73.2 Bq/kg dry	707.1	Cs137	5.7 Bq/kg dry	
			Cs134	38.1 Bq/kg dry	± 6.4 Bq/kg dry		Cs134	7.8 Bq/kg dry	
Soil (in the park)	Tsukuda, Taira, Iwaki	Aug-20	Cs137	590.0 Bq/kg dry	± 63.5 Bq/kg dry	624.3	Cs137	2.5 Bq/kg dry	
			Cs134	34.3 Bq/kg dry	± 5.4 Bq/kg dry		Cs134	2.9 Bq/kg dry	
Soil (in the park)	Tsukuda, Taira, Iwaki	Aug-20	Cs137	586.0 Bq/kg dry	± 64.8 Bq/kg dry	615.1	Cs137	3.2 Bq/kg dry	
			Cs134	29.1 Bq/kg dry	± 6.1 Bq/kg dry		Cs134	3.8 Bq/kg dry	
Soil (in the park)	Tsukuda, Taira, Iwaki	Aug-20	Cs137	529.0 Bq/kg dry	± 59.5 Bq/kg dry	565.5	Cs137	5.7 Bq/kg dry	
			Cs134	36.5 Bq/kg dry	± 6.0 Bq/kg dry		Cs134	6.6 Bq/kg dry	
Soil(in the park) under the Monkey bar	Tsukuda, Taira, Iwaki	Aug-20	Cs137	390.0 Bq/kg dry	± 44.5 Bq/kg dry	412.2	Cs137	5.2 Bq/kg dry	
			Cs134	22.2 Bq/kg dry	± 5.1 Bq/kg dry		Cs134	6.2 Bq/kg dry	
Soil (in the park) under the Horizontal bar	Tsukuda, Taira, Iwaki	Aug-20	Cs137	182.0 Bq/kg dry	± 19.7 Bq/kg dry	192.2	Cs137	2.1 Bq/kg dry	
			Cs134	10.2 Bq/kg dry	± 1.9 Bq/kg dry		Cs134	3.2 Bq/kg dry	
Soil (in the park)	Tsukuda, Taira, Iwaki	Aug-20	Cs137	4.1 Bq/kg dry	± 1.1 Bq/kg dry	4.1	Cs137	3.7 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	3.6 Bq/kg dry	
Soil (in the park) under the slide	Tsukuda, Taira, Iwaki	Aug-20	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.8 Bq/kg dry	
Soil (in the park)	Tsukuda, Taira, Iwaki	Aug-20	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry	
Soil (in the park)	Kubo3, Kashima, Iwaki	Aug-20	Cs137	906.0 Bq/kg dry	± 98.3 Bq/kg dry	954.7	Cs137	6.1 Bq/kg dry	
			Cs134	48.7 Bq/kg dry	± 7.8 Bq/kg dry		Cs134	7.9 Bq/kg dry	
Soil (in the park) under the Horizontal bar	Kubo3, Kashima, Iwaki	Aug-20	Cs137	889.0 Bq/kg dry	± 96.6 Bq/kg dry	933.3	Cs137	3.6 Bq/kg dry	
			Cs134	44.3 Bq/kg dry	± 7.4 Bq/kg dry		Cs134	4.6 Bq/kg dry	
Soil(in the park) under the Playground equipment	Kubo3, Kashima, Iwaki	Aug-20	Cs137	692.0 Bq/kg dry	± 78.2 Bq/kg dry	725.7	Cs137	8.7 Bq/kg dry	
			Cs134	33.7 Bq/kg dry	± 8.4 Bq/kg dry		Cs134	10.4 Bq/kg dry	
Soil (in the park)	Kubo3, Kashima, Iwaki	Aug-20	Cs137	674.0 Bq/kg dry	± 73.7 Bq/kg dry	707.0	Cs137	2.7 Bq/kg dry	
			Cs134	33.0 Bq/kg dry	± 5.8 Bq/kg dry		Cs134	3.3 Bq/kg dry	
Soil (in the park)	Kubo3, Kashima, Iwaki	Aug-20	Cs137	624.0 Bq/kg dry	± 68.2 Bq/kg dry	657.9	Cs137	3.4 Bq/kg dry	
			Cs134	33.9 Bq/kg dry	± 5.7 Bq/kg dry		Cs134	4.7 Bq/kg dry	
Soil (in the park) under the slide	Kubo3, Kashima, Iwaki	Aug-20	Cs137	509.0 Bq/kg dry	± 56.2 Bq/kg dry	537.5	Cs137	2.9 Bq/kg dry	
			Cs134	28.5 Bq/kg dry	± 5.6 Bq/kg dry		Cs134	4.1 Bq/kg dry	
Soil (in the park)	Kubo3, Kashima, Iwaki	Aug-20	Cs137	432.0 Bq/kg dry	± 47.2 Bq/kg dry	456.3	Cs137	5.3 Bq/kg dry	
			Cs134	24.3 Bq/kg dry	± 4.4 Bq/kg dry		Cs134	6.4 Bq/kg dry	
Soil (in the park)	Kubo3, Kashima, Iwaki	Aug-20	Cs137	425.0 Bq/kg dry	± 46.1 Bq/kg dry	449.5	Cs137	6.3 Bq/kg dry	
			Cs134	24.5 Bq/kg dry	± 4.2 Bq/kg dry		Cs134	7.5 Bq/kg dry	
Soil (in the park)	Kubo3, Kashima, Iwaki	Aug-20	Cs137	339.0 Bq/kg dry	± 37.4 Bq/kg dry	356.0	Cs137	2.9 Bq/kg dry	
			Cs134	17.0 Bq/kg dry	± 3.5 Bq/kg dry		Cs134	3.5 Bq/kg dry	
Soil (in the park)	Miyo, Kashima, Iwaki	Aug-20	Cs137	789.0 Bq/kg dry	± 84.9 Bq/kg dry	835.7	Cs137	9.4 Bq/kg dry	
			Cs134	46.7 Bq/kg dry	± 7.0 Bq/kg dry		Cs134	11.3 Bq/kg dry	
Soil (in the park)	Miyo, Kashima, Iwaki	Aug-20	Cs137	757.0 Bq/kg dry	± 81.2 Bq/kg dry	799.7	Cs137	4.2 Bq/kg dry	
			Cs134	42.7 Bq/kg dry	± 6.2 Bq/kg dry		Cs134	5.0 Bq/kg dry	
Soil (in the park)	Miyo, Kashima, Iwaki	Aug-20	Cs137	702.0 Bq/kg dry	± 77.6 Bq/kg dry	737.5	Cs137	6.9 Bq/kg dry	
			Cs134	35.5 Bq/kg dry	± 6.6 Bq/kg dry		Cs134	8.1 Bq/kg dry	

※"_" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.

★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Soil (in the park)	Miyo,Kashima, Iwaki	Aug-20	Cs137	320.0	Bq/kg dry ± 37.1	336.9	Cs137	6.5
			Cs134	16.9	Bq/kg dry ± 4.9		Cs134	7.9
Soil (in the park) under the slide	Miyo,Kashima, Iwaki	Aug-20	Cs137	362.0	Bq/kg dry ± 40.6	382.1	Cs137	2.5
			Cs134	20.1	Bq/kg dry ± 4.5		Cs134	3.0
Soil (in the park)	Miyo,Kashima, Iwaki	Aug-20	Cs137	307.0	Bq/kg dry ± 33.9	323.7	Cs137	3.1
			Cs134	16.7	Bq/kg dry ± 3.7		Cs134	3.8
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	1010.0	Bq/kg dry ± 108.0	1067.2	Cs137	5.6
			Cs134	57.2	Bq/kg dry ± 8.0		Cs134	6.1
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	899.0	Bq/kg dry ± 97.6	943.2	Cs137	3.3
			Cs134	44.2	Bq/kg dry ± 7.1		Cs134	3.8
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	672.0	Bq/kg dry ± 72.4	708.8	Cs137	3.2
			Cs134	36.8	Bq/kg dry ± 6.1		Cs134	4.2
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	543.0	Bq/kg dry ± 59.3	567.7	Cs137	2.8
			Cs134	24.7	Bq/kg dry ± 4.3		Cs134	3.3
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	212.0	Bq/kg dry ± 23.3	224.1	Cs137	1.9
			Cs134	12.1	Bq/kg dry ± 2.2		Cs134	2.7
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	78.8	Bq/kg dry ± 8.7	83.6	Cs137	1.6
			Cs134	4.8	Bq/kg dry ± 1.0		Cs134	2.5
Soil (in the park)	Onahama- tamagawakita,Iwaki	Aug-20	Cs137	37.4	Bq/kg dry ± 5.9	37.4	Cs137	3.6
			Cs134	—	Bq/kg dry ± —		Cs134	4.2
Soil (in the park) under the slide	Onahama- shimokajiro,Iwaki	Jul-20	Cs137	110.0	Bq/kg dry ± 12.8	110.0	Cs137	5.5
			Cs134	—	Bq/kg dry ± —		Cs134	5.0
Soil(in the park) under the Playground equipment	Onahama- shimokajiro,Iwaki	Jul-20	Cs137	29.1	Bq/kg dry ± 3.7	29.1	Cs137	2.4
			Cs134	—	Bq/kg dry ± —		Cs134	2.8
Soil(in the park) under the Playground equipment	Onahama- shimokajiro,Iwaki	Jul-20	Cs137	16.7	Bq/kg dry ± 2.4	16.7	Cs137	2.1
			Cs134	—	Bq/kg dry ± —		Cs134	2.3
Soil (in the park) under the Athletic equipment	Onahama- shimokajiro,Iwaki	Jul-20	Cs137	10.3	Bq/kg dry ± 1.5	10.3	Cs137	1.6
			Cs134	—	Bq/kg dry ± —		Cs134	1.7
Soil (in the park) under the Monkey bar	Onahama- shimokajiro,Iwaki	Jul-20	Cs137	—	Bq/kg dry ± —	Under Minimum Limit of Detection	Cs137	5.1
			Cs134	—	Bq/kg dry ± —		Cs134	5.7
Sea sand (surface)	Matsushita Beach①, Fukushima	Sep-20	Cs137	13.7	Bq/kg dry ± 2.4	13.7	Cs137	3.5
			Cs134	—	Bq/kg dry ± —		Cs134	3.4
Sea sand (10cm deep)	Matsushita Beach①, Fukushima	Sep-20	Cs137	13.0	Bq/kg dry ± 2.6	13.0	Cs137	4.2
			Cs134	—	Bq/kg dry ± —		Cs134	4.4
Sea sand (30cm deep)	Matsushita Beach①, Fukushima	Sep-20	Cs137	11.3	Bq/kg dry ± 1.9	11.3	Cs137	2.6
			Cs134	—	Bq/kg dry ± —		Cs134	3.0
Sea sand (surface)	Matsushita Beach②, Fukushima	Sep-20	Cs137	9.3	Bq/kg dry ± 1.3	9.3	Cs137	1.3
			Cs134	—	Bq/kg dry ± —		Cs134	1.5
Sea sand (10cm deep)	Matsushita Beach②, Fukushima	Sep-20	Cs137	30.7	Bq/kg dry ± 4.1	30.7	Cs137	1.5
			Cs134	—	Bq/kg dry ± —		Cs134	1.7
Sea sand (30cm deep)	Matsushita Beach②, Fukushima	Sep-20	Cs137	33.0	Bq/kg dry ± 4.5	33.0	Cs137	3.8
			Cs134	—	Bq/kg dry ± —		Cs134	3.4
Sea sand (surface)	Matsushita Beach③, Fukushima	Sep-20	Cs137	30.2	Bq/kg dry ± 3.7	30.2	Cs137	2.2
			Cs134	—	Bq/kg dry ± —		Cs134	2.1
Sea sand (10cm deep)	Matsushita Beach③, Fukushima	Sep-20	Cs137	19.4	Bq/kg dry ± 2.8	19.4	Cs137	2.9
			Cs134	—	Bq/kg dry ± —		Cs134	3.3
Sea sand (30cm deep)	Matsushita Beach③, Fukushima	Sep-20	Cs137	14.7	Bq/kg dry ± 2.4	14.7	Cs137	3.1
			Cs134	—	Bq/kg dry ± —		Cs134	3.6

※"—" used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.



★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)


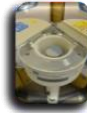

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Sea sand (surface)	Matsushita Beach④, Fukushima	Sep-20	Cs137	10.0 <small>Bq/kg dry</small>	± 1.6 <small>Bq/kg dry</small>	10.0	Cs137	1.9 <small>Bq/kg dry</small>	
			Cs134	— <small>Bq/kg dry</small>	± — <small>Bq/kg dry</small>		Cs134	1.9 <small>Bq/kg dry</small>	
Sea sand (10cm deep)			Cs137	25.9 <small>Bq/kg dry</small>	± 3.2 <small>Bq/kg dry</small>	25.9	Cs137	1.9 <small>Bq/kg dry</small>	
			Cs134	— <small>Bq/kg dry</small>	± — <small>Bq/kg dry</small>		Cs134	2.9 <small>Bq/kg dry</small>	
Sea sand (30cm deep)			Cs137	15.8 <small>Bq/kg dry</small>	± 2.1 <small>Bq/kg dry</small>	15.8	Cs137	1.7 <small>Bq/kg dry</small>	
			Cs134	— <small>Bq/kg dry</small>	± — <small>Bq/kg dry</small>		Cs134	1.6 <small>Bq/kg dry</small>	
Pine leaf	Shinti, Soma, Fukushima	Sep-20	Cs137	16.8 <small>Bq/kg raw</small>	± 5.4 <small>Bq/kg raw</small>	16.8	Cs137	6.9 <small>Bq/kg raw</small>	
			Cs134	— <small>Bq/kg raw</small>	± — <small>Bq/kg raw</small>		Cs134	6.7 <small>Bq/kg raw</small>	

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★Gamma-ray

Measuring instrument		Feature	Guide to lower limit※
NaI Scintillation Spectrometer			
Product of ATOMTEX AT1320A 	Product of BERTHOLD LB2045 	· Gamma-ray spectrometer with NaI scintillation detector.	Food (Sample 1kg) Lower limit 1.0Bq/Kg Soil (Sample 1kg) Lower limit 2.5Bq/Kg Material (Sample 1kg) Lower limit 1.0Bq/Kg Water (Sample 20L) Lower limit 0.02Bq/L
Germanium Semiconductor detector			
ORTEC GEM30-70 		· Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." · Relative efficiency 35%	Food (Sample 2kg) Lower limit 0.04Bq/Kg Soil (Sample 1kg) Lower limit 0.06Bq/Kg Material (Sample 1kg) Lower limit 0.06Bq/Kg Water (Sample 20L) Lower limit 0.001Bq/L

※The lower limit varies depending on the sample weight and measurement time.

Measuring instrument: Germanium Semiconductor detector (Bq/kg raw: Weight of raw sample Bq/kg dry: Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Brown rice	Fukushima Pref.	Oct-19	Cs137	0.63 Bq/kg raw	± 0.03 Bq/kg raw	0.63	Cs137	0.07 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw	
Brown rice	Niigata Pref.	Oct-19	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.05 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.05 Bq/kg raw	
Rice	Akita Pref.	Oct-19	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.04 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.06 Bq/kg raw	
Rice	Mie Pref.	Jun-02	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.04 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.04 Bq/kg raw	
Rice	Yotsukura, Iwaki	Oct-19	Cs137	0.10 Bq/kg raw	± 0.03 Bq/kg raw	0.10	Cs137	0.06 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw	
Glutinous rice	Yotsukura, Iwaki	Oct-19	Cs137	0.14 Bq/kg raw	± 0.03 Bq/kg raw	0.14	Cs137	0.06 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.09 Bq/kg raw	
Onion	Yotsukura, Iwaki	Aug-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.06 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.07 Bq/kg raw	
Blueberry	Fushiguro, Date, Fukushima	Sep-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Mackerel(flesh)	OnahamaPort/Iwaki	Jun-20	Cs137	0.75 Bq/kg raw	± 0.08 Bq/kg raw	0.75	Cs137	0.14 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.15 Bq/kg raw	
Yellowtail (flesh)	OnahamaPort/Iwaki	Aug-20	Cs137	0.66 Bq/kg raw	± 0.09 Bq/kg raw	0.66	Cs137	0.18 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.19 Bq/kg raw	
Blackbass(flesh)	Iwaki, Fukushima	May-20	Cs137	2.0 Bq/kg raw	± 0.3 Bq/kg raw	2.0	Cs137	0.6 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.7 Bq/kg raw	
Honey (Buckwheat)	Izumizaki, Taira, Iwaki	Sep-20	Cs137	4.6 Bq/kg raw	± 0.2 Bq/kg raw	4.6	Cs137	0.3 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw	
Honey	Fushiguro, Date, Fukushima	Sep-20	Cs137	0.6 Bq/kg raw	± 0.1 Bq/kg raw	0.6	Cs137	0.3 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.4 Bq/kg raw	
Peach(Jam)	Fushiguro, Date, Fukushima	Aug-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.5 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.6 Bq/kg raw	
Milk	Kumamoto Pref.	Jul-20	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.04 Bq/L	
			Cs134	— Bq/L	± — Bq/L		Cs134	0.04 Bq/L	

※"—"used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.



★Gamma-ray

(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)


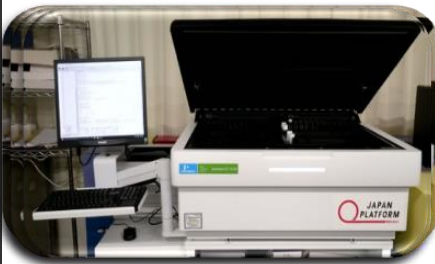
Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Milk	Kumamoto Pref.	Jul-20	Cs137	— Bq/L	±	— Bq/L	Under Minimum Limit of Detection	Cs137	0.3 Bq/L
			Cs134	— Bq/L	±	— Bq/L		Cs134	0.3 Bq/L
Sea water (surface)	OnahamaPort, Iwaki	Jul-20	Cs137	0.005 Bq/L	±	0.0005 Bq/L	0.005	Cs137	0.0009 Bq/L
			Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Tomioko Port/ Fukushima	Aug-20	Cs137	0.018 Bq/L	±	0.0007 Bq/L	0.018	Cs137	0.0009 Bq/L
			Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L
Sea water (lower)	Tomioko Port/ Fukushima	Aug-20	Cs137	0.173 Bq/L	±	0.0018 Bq/L	0.183	Cs137	0.001 Bq/L
			Cs134	0.010 Bq/L	±	0.0007 Bq/L		Cs134	0.001 Bq/L

※"_"used in Measurement Result and Uncertainty shows that the value is below the detection limit.

But it does not necessary mean 0(zero)Bq/kg.



★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex HIDEX 300SLL	Product of PerkinElmer Japan Quantulus GCT 622	Equipment for measuring low-energy beta-ray emission nuclides
		Measuring nuclide Strontium90 Half-life 30 years Organically bound 3H Half-life 12.3 years Free-water 3H Half-life 12.3 years
		All samples are measured in liquid condition after several days of pretreatment.

(Bq/Kg raw:Weight of raw sample Bq/Kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Minimum Limit of Detection		
				Bq/kg dry	±	Bq/kg dry		Bq/kg dry	
White rockfish (flesh)	Off the coast of Fukushima Nuclear Power Plant1	Jun-20	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.23 Bq/kg dry
White rockfish (flesh)	Off the coast of Fukushima Nuclear Power Plant1	Jun-20	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.37 Bq/kg dry
Shingled hedgehog mushroom	Tabito, Iwaki	Oct-18	Sr90	0.71	Bq/kg dry	±	0.44	Bq/kg dry	0.67 Bq/kg dry
Nuts	Turkey (production)	May-18	Sr90	1.51	Bq/kg dry	±	0.09	Bq/kg dry	0.12 Bq/kg dry
Pine leaf	Oarai, Higashiibaraki, Ibaraki	Jul-20	Sr90	4.13	Bq/kg dry	±	0.37	Bq/kg dry	0.28 Bq/kg dry
Pine leaf	Tokaimura, Naka, Ibaraki	Jul-20	Sr90	1.10	Bq/kg dry	±	0.24	Bq/kg dry	0.29 Bq/kg dry
Soil①	Okawara, Okuma, Futaba, Fukushima	Jan-19	Sr90	6.45	Bq/kg dry	±	0.94	Bq/kg dry	1.36 Bq/kg dry
Soil②	Okawara, Okuma, Futaba, Fukushima	Jan-19	Sr90	2.89	Bq/kg dry	±	0.87	Bq/kg dry	1.30 Bq/kg dry
Soil	Iitate, Soma, Fukushima	Nov-18	Sr90	5.06	Bq/kg dry	±	1.36	Bq/kg dry	2.02 Bq/kg dry
Soil (farm)	Kashima-ku, Minamisoma, Fukushima	Nov-18	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.51 Bq/kg dry
Soil(garden)	Kashima-ku, Minamisoma, Fukushima	Jan-19	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.56 Bq/kg dry
Soil	Taira, Iwaki	Jul-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.41 Bq/kg dry
Soil (Including Moss)	Joban, Iwaki	Aug-18	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.51 Bq/kg dry
Sea water (surface)	Tomioka port/ Fukushima	Aug-20	Sr90	0.0012	Bq/L	±	0.0004	Bq/L	0.0006 Bq/L
Sea water (lower)	Tomioka port/ Fukushima	Aug-20	Sr90	0.0028	Bq/L	±	0.0012	Bq/L	0.0016 Bq/L

Measurement results of 15 items by germanium semiconductor detector

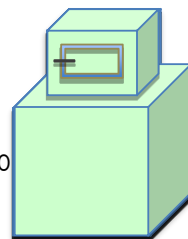
Dr. Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

In order to convey more measurement results to everyone, we have asked Dr. Tetsuji Imanaka of the Institute of Advanced Nuclear Science, Kyoto University, to measure low-dose samples using germanium semiconductor detectors. Measurement samples are not only from Fukushima Prefecture but also come from other prefectures. Please compare data based on measurements from various regions and use them to protect your children from radiation exposure.

★Gamma-ray

Measuring instrument : Germanium Semiconductor detector

- Product of CANBERRA(CA),USA GX3018 Relative efficiency 30% or more
- Product of ORTEC(OR),USA GMX25-70 Relative efficiency 35%



(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	measuring instrument	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
				Cs137	Cs134	±	±		Cs137	Cs134
Japanese ice fish	Fukushima	Apr-20	CA	Cs137	0.7 Bq/kg raw	± 0.06 Bq/kg raw	0.7	Cs137	—	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Chicken breast	Yonezawa, Yamagata	May-20	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.07	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Bracken	Tono, Iwaki	May-20	CA	Cs137	0.5 Bq/kg raw	± 0.08 Bq/kg raw	0.5	Cs137	—	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Garlic	Aomori Pref.	May-20	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Dried udon (Rice flour)	Sato, Iwaki	Sep-17	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.4	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Dried radish	Haramachi-ku, Minamisoma, Fukushima	Jan-20	CA	Cs137	1.3 Bq/kg raw	± 0.3 Bq/kg raw	1.3	Cs137	—	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Shitake mushroom grown in bacteria-bed(dried)	Unknown	Unknown	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Shitake mushroom grown in log (dried)	Mizukami, Kuma, Kumamoto	May-20	OR	Cs137	0.9 Bq/kg raw	± 0.4 Bq/kg raw	0.9	Cs137	—	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Seasoning (Kelp flavor)	Japan (production)	Jan-20	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.5	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Yellow pickled radish	Japan (production)	Mar-20	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.09	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Dried persimmon	Iwaki city	2018	OR	Cs137	1 Bq/kg raw	± 0.2 Bq/kg raw	1	Cs137	—	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Wild sesame (powder)	Samegawa, Higashishirakawa, Fukushima	May-20	CA	Cs137	0.4 Bq/kg raw	± 0.1 Bq/kg raw	0.4	Cs137	—	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Tea	Fukuoka Pref.	2020	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.5	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Yogurt	Tochigi Pref.	Jun-20	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.06	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw
Salted plum	Wakayama Pref.	2020	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.09	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			—	Bq/kg raw