



# Radiation Measurement Results of 157 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 ATOMETX 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

※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	
			Cs137	Cs134	±	—		Cs137	Cs134
Potato	Iitate, Soma, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.1
			Cs134	—	±	—		Cs134	1.9
Onion	Namie, Futaba, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.8
			Cs134	—	±	—		Cs134	2.6
Onion	Kikuta, Koriyama, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.0
			Cs134	—	±	—		Cs134	1.9
Pumpkin	Yabuki, Nishishirakawa, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	1.8
			Cs134	—	±	—		Cs134	1.7
Pumpkin	Tokiwa, Tamura, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.5
			Cs134	—	±	—		Cs134	2.3
Spaghetti squash (pulp)	Funehiki, Tamura, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.3
			Cs134	—	±	—		Cs134	2.2
Spaghetti squash (seed, cotton)	Funehiki, Tamura, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	1.7
			Cs134	—	±	—		Cs134	1.3
Tomato	Miyakoji, Tamura, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.0
			Cs134	—	±	—		Cs134	1.9
Cucumber	Shirakawa, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.7
			Cs134	—	±	—		Cs134	2.5
Eggplant	Iitate, Soma, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	3.5
			Cs134	—	±	—		Cs134	3.3
Eggplant	Mihota, Koriyama, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	3.1
			Cs134	—	±	—		Cs134	2.9
Eggplant	Nihonmatsu, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.1
			Cs134	—	±	—		Cs134	1.9
Eggplant	Nishigo, Nishishirakawa, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.6
			Cs134	—	±	—		Cs134	2.5
Green pepper	Namie, Futaba, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	1.4
			Cs134	—	±	—		Cs134	1.1
Green pepper	Tamura, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.1
			Cs134	—	±	—		Cs134	1.6
Green chili	Iitate, Soma, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	3.3
			Cs134	—	±	—		Cs134	3.1
Green chili	Otama, Adachi, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	1.3
			Cs134	—	±	—		Cs134	1.1

※"—" 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				
			Cs137	Cs134	±	—		Cs137	Cs134			
Corn	Konan, Koriyama, Fukushima	Aug-22	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
Okra	Tamura, Fukushima	Aug-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.6	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.4	Bq/kg raw
Bitter gourd	Namie, Futaba, Fukushima	Sep-22	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	1.2	Bq/kg raw
Bitter gourd	Funehiki, Tamura, Fukushima	Aug-22	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	1.2	Bq/kg raw
Bitter gourd	Yabuki, Nishishirakawa, Fukushima	Sep-22	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
Moloheiya	Funehiki, Tamura, Fukushima	Aug-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.5	Bq/kg raw
Moloheiya	Sukagawa, Fukushima	Sep-22	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	1.2	Bq/kg raw
Cauliflower	Tamura, Fukushima	Aug-22	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	3.0	Bq/kg raw
Leek	Koriyama, Fukushima	Aug-22	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	1.9	Bq/kg raw
Asparagus	Tamura, Fukushima	Aug-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.3	Bq/kg raw
Malabar spinach	Iitate, Soma, Fukushima	Sep-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.3	Bq/kg raw
common bean	Iitate, Soma, Fukushima	Sep-22	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
common bean	Funehiki, Tamura, Fukushima	Sep-22	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	1.5	Bq/kg raw
Moroccan common bean	Sukagawa, Fukushima	Sep-22	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
Green soybeans	Koriyama, Fukushima	Sep-22	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
Garlic	Tamura, Koriyama, Fukushima	Aug-22	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
Myoga	Koriyama, Fukushima	Aug-22	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	1.6	Bq/kg raw
Myoga	Otama, Adachi, Fukushima	Sep-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.4	Bq/kg raw
Perilla	Funehiki, Tamura, Fukushima	Sep-22	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	3.6	Bq/kg raw
Red perilla	Kikuta, Koriyama, Fukushima	Aug-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	4.0	Bq/kg raw
Basil	Tamura, Fukushima	Aug-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.8	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.8	Bq/kg raw
Yam bulblet	Otama, Adachi, Fukushima	Sep-22	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	1.2	Bq/kg raw
Apple	Funehiki, Tamura, Fukushima	Sep-22	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	1.9	Bq/kg raw
Japanese pear	Ose, Koriyama, Fukushima	Aug-22	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	1.9	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	
			Cs137	Bq/kg raw	±	Bq/kg raw		Cs137	Bq/kg raw
Japanese pear	Kagamiishi, Iwase, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.3
			Cs134	—	±	—		Cs134	2.2
Peach	Ogoe, Tamura, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.1
			Cs134	—	±	—		Cs134	2.0
Water melon	Iitate, Soma, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	1.5
			Cs134	—	±	—		Cs134	1.3
Fig	Nishida, Koriyama, Fukushima	Aug-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.4
			Cs134	—	±	—		Cs134	2.2
Natsuhaze	Otama, Adachi, Fukushima	Sep-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	2.0
			Cs134	—	±	—		Cs134	1.6
Shitake mushroom log grown	Fukushima Pref.	Sep-22	Cs137	22.1	±	4.9	22.1	Cs137	2.9
			Cs134	—	±	—		Cs134	2.7
Soil	Sakaihara, Nakoso, Iwaki	Sep-22	Cs137	263.0	±	27.8	270.2	Cs137	2.1
			Cs134	7.2	±	1.3		Cs134	2.4
Soil	Sakaihara, Nakoso, Iwaki	Sep-22	Cs137	259.0	±	26.7	265.1	Cs137	1.1
			Cs134	6.1	±	0.9		Cs134	1.4
Soil	Sakaihara, Nakoso, Iwaki	Sep-22	Cs137	119.0	±	12.5	121.8	Cs137	1.0
			Cs134	2.8	±	0.6		Cs134	1.3
Soil(in the park) next to the container	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	1660.0	±	168.0	1702.3	Cs137	2.2
			Cs134	42.3	±	4.8		Cs134	2.4
Soil (in the park)	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	1230.0	±	125.0	1261.9	Cs137	2.8
			Cs134	31.9	±	4.0		Cs134	3.1
Soil (in the park)	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	625.0	±	65.4	641.4	Cs137	3.7
			Cs134	16.4	±	2.7		Cs134	4.3
Soil(in the park) behind the net	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	541.0	±	55.0	550.2	Cs137	1.3
			Cs134	9.2	±	1.3		Cs134	1.5
Soil (in the park)	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	189.0	±	20.1	192.8	Cs137	2.0
			Cs134	3.8	±	1.0		Cs134	2.4
Soil(in the park) under the slide	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	167.0	±	17.3	171.5	Cs137	0.9
			Cs134	4.5	±	0.7		Cs134	1.2
Soil(in the park) behind the toilet	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	163.0	±	16.9	168.2	Cs137	1.1
			Cs134	5.2	±	0.8		Cs134	1.3
Soil (in the park)	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	152.0	±	16.4	152.0	Cs137	3.3
			Cs134	—	±	—		Cs134	2.9
Soil(in the park) Sandbox	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	105.0	±	11.0	108.9	Cs137	0.8
			Cs134	3.9	±	0.6		Cs134	1.0
Soil(in the park) under the bench	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	88.0	±	9.8	88.0	Cs137	2.6
			Cs134	—	±	—		Cs134	3.1
Soil(in the park) under the swing	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	62.1	±	6.6	64.0	Cs137	0.9
			Cs134	1.9	±	0.4		Cs134	1.2
Soil (in the park)	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	48.2	±	5.4	48.2	Cs137	1.7
			Cs134	—	±	—		Cs134	2.2
Soil(in the park) under the playground equipment	Numanouchi Park Tairanumanouchi, Iwaki	Aug-22	Cs137	15.3	±	2.1	15.3	Cs137	2.3
			Cs134	—	±	—		Cs134	2.9
Soil (in the park)	Suwahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	866.0	±	88.0	886.9	Cs137	1.6
			Cs134	20.9	±	2.5		Cs134	1.8
Soil(in the park) under the tree	Suwahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	867.0	±	90.6	890.9	Cs137	4.6
			Cs134	23.9	±	3.5		Cs134	5.7

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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	
Soil (in the park)	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	577.0 Bq/kg dry	± 59.0 Bq/kg dry	590.0	Cs137	1.6 Bq/kg dry
			Cs134	13.0 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	1.9 Bq/kg dry
Soil (in the park)	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	556.0 Bq/kg dry	± 57.4 Bq/kg dry	569.7	Cs137	2.5 Bq/kg dry
			Cs134	13.7 Bq/kg dry	± 2.0 Bq/kg dry		Cs134	2.7 Bq/kg dry
Soil(in the park) under the bench	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	419.0 Bq/kg dry	± 44.0 Bq/kg dry	433.7	Cs137	3.0 Bq/kg dry
			Cs134	14.7 Bq/kg dry	± 2.4 Bq/kg dry		Cs134	3.5 Bq/kg dry
Soil(in the park) under the playground equipment	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	390.0 Bq/kg dry	± 41.2 Bq/kg dry	400.7	Cs137	3.0 Bq/kg dry
			Cs134	10.7 Bq/kg dry	± 1.9 Bq/kg dry		Cs134	3.6 Bq/kg dry
Soil (in the park)	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	340.0 Bq/kg dry	± 35.0 Bq/kg dry	349.0	Cs137	1.5 Bq/kg dry
			Cs134	9.0 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (in the park)	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	228.0 Bq/kg dry	± 23.8 Bq/kg dry	234.7	Cs137	1.4 Bq/kg dry
			Cs134	6.7 Bq/kg dry	± 1.1 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil(in the park) Sandbox	Sawahara Park Tairanumanouchi, Iwaki	Aug-22	Cs137	35.5 Bq/kg dry	± 3.9 Bq/kg dry	35.5	Cs137	0.9 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Soil (in the park)	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	466.0 Bq/kg dry	± 48.5 Bq/kg dry	481.0	Cs137	2.4 Bq/kg dry
			Cs134	15.0 Bq/kg dry	± 2.2 Bq/kg dry		Cs134	2.6 Bq/kg dry
Soil (in the park)	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	365.0 Bq/kg dry	± 37.3 Bq/kg dry	375.1	Cs137	1.1 Bq/kg dry
			Cs134	10.1 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil (in the park)	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	328.0 Bq/kg dry	± 33.9 Bq/kg dry	337.4	Cs137	1.5 Bq/kg dry
			Cs134	9.4 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	1.9 Bq/kg dry
Soil (in the park)	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	328.0 Bq/kg dry	± 34.5 Bq/kg dry	337.2	Cs137	2.6 Bq/kg dry
			Cs134	9.2 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	3.0 Bq/kg dry
Soil(in the park) under the basketball goal	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	202.0 Bq/kg dry	± 20.7 Bq/kg dry	207.0	Cs137	1.0 Bq/kg dry
			Cs134	5.0 Bq/kg dry	± 0.8 Bq/kg dry		Cs134	1.2 Bq/kg dry
Soil (in the park)	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	165.0 Bq/kg dry	± 17.3 Bq/kg dry	170.3	Cs137	1.3 Bq/kg dry
			Cs134	5.3 Bq/kg dry	± 0.9 Bq/kg dry		Cs134	1.7 Bq/kg dry
Soil(in the park) under the flower bed	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	157.0 Bq/kg dry	± 16.9 Bq/kg dry	161.6	Cs137	2.2 Bq/kg dry
			Cs134	4.6 Bq/kg dry	± 1.1 Bq/kg dry		Cs134	2.6 Bq/kg dry
Soil(in the park) under the Animal playset	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	33.0 Bq/kg dry	± 3.9 Bq/kg dry	33.0	Cs137	1.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.0 Bq/kg dry
Soil(in the park) under the swing	Momijimachi Park Tairanomiji, Iwaki	Aug-22	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	1.3 Bq/kg dry
Soil(in the park) under the slide	Momijimachi Park Tairanomiji, Iwaki	Aug-22	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Soil (in the park)	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	616.0 Bq/kg dry	± 63.1 Bq/kg dry	632.0	Cs137	1.9 Bq/kg dry
			Cs134	16.0 Bq/kg dry	± 2.1 Bq/kg dry		Cs134	2.2 Bq/kg dry
Soil (in the park)	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	594.0 Bq/kg dry	± 60.4 Bq/kg dry	610.0	Cs137	1.4 Bq/kg dry
			Cs134	16.0 Bq/kg dry	± 2.0 Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil(in the park) under the tree	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	520.0 Bq/kg dry	± 53.2 Bq/kg dry	539.2	Cs137	1.6 Bq/kg dry
			Cs134	19.2 Bq/kg dry	± 2.3 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (in the park)	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	318.0 Bq/kg dry	± 32.7 Bq/kg dry	326.6	Cs137	1.5 Bq/kg dry
			Cs134	8.6 Bq/kg dry	± 1.2 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (in the park)	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	277.0 Bq/kg dry	± 29.2 Bq/kg dry	285.2	Cs137	2.3 Bq/kg dry
			Cs134	8.2 Bq/kg dry	± 1.5 Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil(in the park) under the tire playset	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	251.0 Bq/kg dry	± 26.4 Bq/kg dry	258.2	Cs137	1.9 Bq/kg dry
			Cs134	7.2 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	2.3 Bq/kg dry
Soil (in the park)	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	211.0 Bq/kg dry	± 22.5 Bq/kg dry	217.4	Cs137	2.3 Bq/kg dry
			Cs134	6.4 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	2.8 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) under the bench	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	147.0 Bq/kg dry	± 15.7 Bq/kg dry	150.4	Cs137	1.9 Bq/kg dry	
			Cs134	3.4 Bq/kg dry	± 0.9 Bq/kg dry		Cs134	2.3 Bq/kg dry	
Soil(in the park) under the swing	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	98.0 Bq/kg dry	± 10.3 Bq/kg dry	101.6	Cs137	0.9 Bq/kg dry	
			Cs134	3.6 Bq/kg dry	± 0.6 Bq/kg dry		Cs134	1.2 Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	92.6 Bq/kg dry	± 10.2 Bq/kg dry	92.6	Cs137	2.5 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	3.0 Bq/kg dry	
Soil(in the park) Sandbox	Kuhonji Park Tairakuhonji, Iwaki	Aug-22	Cs137	59.1 Bq/kg dry	± 6.6 Bq/kg dry	61.9	Cs137	1.5 Bq/kg dry	
			Cs134	2.8 Bq/kg dry	± 0.7 Bq/kg dry		Cs134	2.1 Bq/kg dry	
Soil(in the park) under the Animal playset	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	639.0 Bq/kg dry	± 65.2 Bq/kg dry	657.2	Cs137	1.2 Bq/kg dry	
			Cs134	18.2 Bq/kg dry	± 2.1 Bq/kg dry		Cs134	1.3 Bq/kg dry	
Soil (in the park)	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	637.0 Bq/kg dry	± 64.9 Bq/kg dry	654.9	Cs137	1.5 Bq/kg dry	
			Cs134	17.9 Bq/kg dry	± 2.2 Bq/kg dry		Cs134	1.6 Bq/kg dry	
Soil (in the park)	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	316.0 Bq/kg dry	± 33.0 Bq/kg dry	327.0	Cs137	2.1 Bq/kg dry	
			Cs134	11.0 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	2.5 Bq/kg dry	
Soil(in the park) under the flower bed	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	308.0 Bq/kg dry	± 32.0 Bq/kg dry	317.3	Cs137	1.7 Bq/kg dry	
			Cs134	9.3 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	2.1 Bq/kg dry	
Soil(in the park) under the swing	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	155.0 Bq/kg dry	± 16.6 Bq/kg dry	157.6	Cs137	2.0 Bq/kg dry	
			Cs134	2.6 Bq/kg dry	± 0.8 Bq/kg dry		Cs134	2.5 Bq/kg dry	
Soil(in the park) under the slide	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	118.0 Bq/kg dry	± 13.0 Bq/kg dry	122.8	Cs137	2.4 Bq/kg dry	
			Cs134	4.8 Bq/kg dry	± 1.2 Bq/kg dry		Cs134	3.1 Bq/kg dry	
Soil (in the park)	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	58.6 Bq/kg dry	± 6.3 Bq/kg dry	58.6	Cs137	1.3 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.5 Bq/kg dry	
Soil(in the park) under the basketball goal	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	27.8 Bq/kg dry	± 3.3 Bq/kg dry	27.8	Cs137	2.1 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.4 Bq/kg dry	
Soil (in the park)	Negimachi Park Higashi2, Tairajoto, Iwaki	Aug-22	Cs137	15.8 Bq/kg dry	± 1.9 Bq/kg dry	15.8	Cs137	1.4 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.7 Bq/kg dry	
Soil (in the park)	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	503.0 Bq/kg dry	± 51.4 Bq/kg dry	516.2	Cs137	1.3 Bq/kg dry	
			Cs134	13.2 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	1.5 Bq/kg dry	
Soil (in the park)	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	464.0 Bq/kg dry	± 47.6 Bq/kg dry	475.8	Cs137	1.7 Bq/kg dry	
			Cs134	11.8 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	2.0 Bq/kg dry	
Soil (in the park)	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	315.0 Bq/kg dry	± 33.2 Bq/kg dry	326.2	Cs137	2.3 Bq/kg dry	
			Cs134	11.2 Bq/kg dry	± 1.8 Bq/kg dry		Cs134	2.8 Bq/kg dry	
Soil (in the park)	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	142.0 Bq/kg dry	± 16.0 Bq/kg dry	142.0	Cs137	4.7 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.2 Bq/kg dry	
Soil (in the park)	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	15.8 Bq/kg dry	± 1.9 Bq/kg dry	15.8	Cs137	1.2 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.6 Bq/kg dry	
Soil (in the park)	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	4.3 Bq/kg dry	± 0.8 Bq/kg dry	4.3	Cs137	2.0 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.4 Bq/kg dry	
Soil(in the park) under the slide	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.4 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.4 Bq/kg dry	
Soil(in the park) under the slide	Tangosawa Park Tairakyushiroato, Iwaki	Aug-22	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.2 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

Measuring instrument		Feature	Guide to lower limit※
Germanium Semiconductor detector			
ORTEC GEM30-70	CANBERRA GC4020	・ Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." ・ ORTEC GEM30-70 Relative efficiency 35% ・ CANBERRA GC4020 Relative efficiency 43%	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	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Rice	Yanagawa, Date, Fukushima	Oct-21	CA	Cs137	0.06 Bq/kg raw	± 0.01	Bq/kg raw	0.06	Cs137	0.04 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.04 Bq/kg raw
Tomato	Funehiki, Tamura, Fukushima	Aug-22	CA	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
Myoga	Nishida, Koriyama, Fukushima	Jul-22	OR	Cs137	1.0 Bq/kg raw	± 0.09	Bq/kg raw	1.0	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Lotus root	Ibaraki Pref.	Sep-22	CA	Cs137	1.9 Bq/kg raw	± 0.1	Bq/kg raw	1.9	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Peach	Matsukawa, Fukushima, Fukushima Pref.	Jul-22	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		Cs134	0.3 Bq/kg raw
Peach	Miharu, Tamura, Fukushima	Sep-22	CA	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.8 Bq/kg raw	± 0.1	Bq/kg raw	0.8	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.9 Bq/kg raw	± 0.1	Bq/kg raw	0.9	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Goldeye rockfish	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.8 Bq/kg raw	± 0.1	Bq/kg raw	0.8	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Goldeye rockfish	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.8 Bq/kg raw	± 0.1	Bq/kg raw	0.8	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Fox jacobever	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	1.0 Bq/kg raw	± 0.1	Bq/kg raw	1.0	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.1 Bq/kg raw
Fox jacobever	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.27 Bq/kg raw	± 0.1	Bq/kg raw	0.27	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Flounder	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.7 Bq/kg raw	± 0.1	Bq/kg raw	0.7	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Flounder	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.5 Bq/kg raw	± 0.1	Bq/kg raw	0.5	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Red sea bream	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.4 Bq/kg raw	± 0.1	Bq/kg raw	0.4	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Red sea bream	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.7 Bq/kg raw	± 0.1	Bq/kg raw	0.7	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Crimson sea bream	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.7 Bq/kg raw	± 0.1	Bq/kg raw	0.7	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Aug-22	OR	Cs137	0.004 Bq/L	± 0.0005	Bq/L	0.004	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± —	Bq/L		Cs134	0.001 Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Aug-22	OR	Cs137	0.004 Bq/L	± 0.0005	Bq/L	0.004	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± —	Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Aug-22	OR	Cs137	0.003 Bq/L	± 0.0005	Bq/L	0.003	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± —	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.

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
				Cs137	Cs134			Cs137	Cs134
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Aug-22	OR	Cs137	0.003 Bq/L	± 0.0005 Bq/L	0.003	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Aug-22	OR	Cs137	0.002 Bq/L	± 0.0005 Bq/L	0.002	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Aug-22	OR	Cs137	0.002 Bq/L	± 0.0005 Bq/L	0.002	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Aug-22	OR	Cs137	0.003 Bq/L	± 0.0005 Bq/L	0.003	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Aug-22	OR	Cs137	0.003 Bq/L	± 0.0005 Bq/L	0.003	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Aug-22	OR	Cs137	0.01 Bq/L	± 0.0006 Bq/L	0.01	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Aug-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Suspended solid in sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Aug-22	CA	Cs137	0.005 Bq/L	± 0.001 Bq/L	0.005	Cs137	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Aug-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Suspended solid in sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Aug-22	CA	Cs137	0.003 Bq/L	± 0.001 Bq/L	0.003	Cs137	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Aug-22	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Suspended solid in sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Aug-22	OR	Cs137	0.003 Bq/L	± 0.001 Bq/L	0.003	Cs137	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Aug-22	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Suspended solid in sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Aug-22	CA	Cs137	0.014 Bq/L	± 0.001 Bq/L	0.014	Cs137	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Soil	Inzai, Chiba	Aug-22	OR	Cs137	450.7 Bq/kg dry	± 1.3 Bq/kg dry	463.8	Cs137	0.4 Bq/kg dry
				Cs134	13.1 Bq/kg dry	± 0.3 Bq/kg dry		Cs134	0.4 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.

★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex <b>HIDEX 300SL</b>	Product of PerkinElmer Japan <b>Quantulus GCT 622</b>	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	
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	May-22	Sr90	<b>1.47</b> Bq/kg dry	± 0.71 Bq/kg dry	± 0.71 Bq/kg dry	1.07 Bq/kg dry	1.07 Bq/kg dry
Greenling	Off the coast of Fukushima Nuclear Power Plant1	May-22	Sr90	<b>0.31</b> Bq/kg dry	± 0.08 Bq/kg dry	± 0.08 Bq/kg dry	0.11 Bq/kg dry	0.11 Bq/kg dry
Well water	Okuma, Futaba, Fukushima	Jul-22	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	± — Bq/L	0.0008 Bq/L	0.0008 Bq/L
Tap water	Odaka, Minamisoma, Fukushima	Jul-22	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	± — Bq/L	0.0006 Bq/L	0.0006 Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Aug-22	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	± — Bq/L	0.0007 Bq/L	0.0007 Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Aug-22	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	± — Bq/L	0.0008 Bq/L	0.0008 Bq/L
Sea water (surface)	OnahamaPort/Iwaki	May-22	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	± — Bq/L	0.0007 Bq/L	0.0007 Bq/L
Soil	Okuma, Futaba, Fukushima	Aug-22	Sr90	<b>17.08</b> Bq/kg dry	± 1.12 Bq/kg dry	± 1.12 Bq/kg dry	1.53 Bq/kg dry	1.53 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Aug-22	Sr90	<b>2.26</b> Bq/kg dry	± 1.05 Bq/kg dry	± 1.05 Bq/kg dry	1.57 Bq/kg dry	1.57 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Aug-22	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	± — Bq/kg dry	1.56 Bq/kg dry	1.56 Bq/kg dry
Soil	Aizuwakamatsu, Fukushima	Aug-22	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	± — Bq/kg dry	1.63 Bq/kg dry	1.63 Bq/kg dry
Soil	Sekifune3go Park Jobansekifune, Iwaki	Aug-21	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	± — Bq/kg dry	0.78 Bq/kg dry	0.78 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.



# Measurement results of 16 items by germanium semiconductor detector

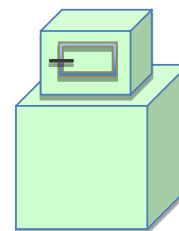
Dr.Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

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%

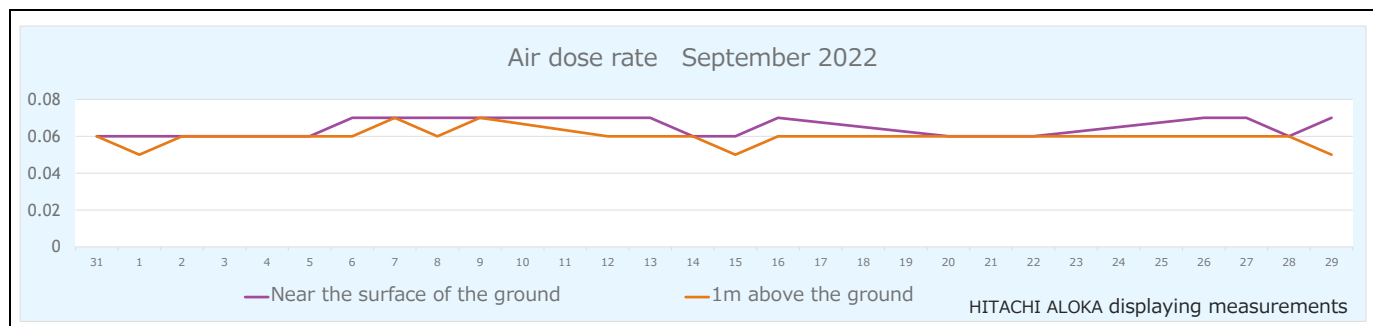






















(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Potato	Namie, Futaba, Fukushima	Jun-22	CA	Cs137	0.3 Bq/kg raw	± 0.05 Bq/kg raw	0.3	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Potato	Funehiki, Tamura, Fukushima	Jun-22	CA	Cs137	0.38 Bq/kg raw	± 0.05 Bq/kg raw	0.38	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Carrot	Sakura, Tochigi	Jun-22	CA	Cs137	0.06 Bq/kg raw	± 0.02 Bq/kg raw	0.06	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Eggplant	Tsukidate, Date, Fukushima	Jul-22	CA	Cs137	0.27 Bq/kg raw	± 0.04 Bq/kg raw	0.27	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Cauliflower	Tamura, Koriyama, Fukushima	Jun-22	CA	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	Bq/kg raw	
Tomato	Hinoemata, Minamiaizu, Fukushima	Jun-22	CA	Cs137	0.1 Bq/kg raw	± 0.03 Bq/kg raw	0.1	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Colinkey	Yanagawa, Date, Fukushima	Jul-22	CA	Cs137	0.04 Bq/kg raw	± 0.02 Bq/kg raw	0.04	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Shitake mushroom log grown(dried)	Koriyama, Fukushima	May-22	CA	Cs137	47 Bq/kg raw	± 2.4 Bq/kg raw	47	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Shitake mushroom log grown(dried)	Yamatsuri, Higashishirakawa, Fukushima	Jun-22	CA	Cs137	69 Bq/kg raw	± 1.8 Bq/kg raw	71	Cs137	Bq/kg raw	
				Cs134	2.0 Bq/kg raw	± 0.06 Bq/kg raw				
Shitake mushroom (dried)	Shirakawa, Fukushima	Jun-22	OR	Cs137	10.0 Bq/kg raw	± 1.5 Bq/kg raw	10.0	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Eryngii mushroom	Iwaki City	Jun-22	CA	Cs137	2.9 Bq/kg raw	± 0.06 Bq/kg raw	2.97	Cs137	Bq/kg raw	
				Cs134	0.07 Bq/kg raw	± 0.03 Bq/kg raw				
Wood ear mushroom	Sukagawa, Fukushima	Jun-22	CA	Cs137	4.7 Bq/kg raw	± 0.1 Bq/kg raw	4.84	Cs137	Bq/kg raw	
				Cs134	0.14 Bq/kg raw	± 0.03 Bq/kg raw				
Dried Japanese radish	Miharu, Tamura, Fukushima	Jun-22	OR	Cs137	9.2 Bq/kg raw	± 0.7 Bq/kg raw	9.2	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Green soybean	Fukushima, Fukushima Pref.	Jun-22	CA	Cs137	25 Bq/kg raw	± 0.7 Bq/kg raw	25	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Buckwheat	Funehiki, Tamura, Fukushima	May-22	CA	Cs137	0.7 Bq/kg raw	± 0.3 Bq/kg raw	0.7	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				
Plum	Hobara, Date, Fukushima	Jun-22	OR	Cs137	0.23 Bq/kg raw	± 0.05 Bq/kg raw	0.23	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw				

# Air dose rate September 2022

Measuring Instrument		Measuring Place
CsI Scintillation survey meter	NaI Scintillation survey meter	Yokocho Park, Onahama, Iwaki, Fukushima
ⓂHITACHI ALOKA TCS-1172	ⓂHORIBA Radi PA-1100	
		
Feature: Measuring air (space) radiation dose and radioactive surface contamination of human body and other things.		



	Measuring instrument	HITACHI ALOKA	HORIBA Radi	HITACHI ALOKA	HORIBA Radi
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/9/1		0.06	0.06	0.05	0.057
2022/9/2		0.06	0.055	0.06	0.058
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/9/5		0.06	0.065	0.06	0.062
2022/9/6		0.07	0.065	0.06	0.056
2022/9/7		0.07	0.068	0.07	0.066
2022/9/8		0.07	0.072	0.06	0.067
2022/9/9		0.07	0.068	0.07	0.062
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/9/12		0.07	0.069	0.06	0.057
2022/9/13		0.07	0.067	0.06	0.059
2022/9/14		0.06	0.068	0.06	0.061
2022/9/15		0.06	0.065	0.05	0.057
2022/9/16		0.07	0.068	0.06	0.069
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/9/20		0.06	0.06	0.06	0.06
2022/9/21		0.06	0.059	0.06	0.063
2022/9/22		0.06	0.06	0.06	0.061
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/9/26		0.07	0.064	0.06	0.06
2022/9/27		0.07	0.069	0.06	0.07
2022/9/28		0.06	0.057	0.06	0.067
2022/9/29		0.07	0.066	0.05	0.063
2022/9/30		0.06	0.068	0.06	0.062

※On 9/26,9/27 exclusively, HITACHI ALOKA PDR-111 was used instead of HORIBA Radi PA-1100