



# 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 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

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

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

But it does not necessarily 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	
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

\*"—" 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
Japanese pear	Kagamiishi, Iwase,Fukushima	Sep-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 2.2 Bq/kg raw
Peach	Ogoe,Tamura, 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 2.0 Bq/kg raw
Water melon	Iitate,Soma, 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 1.3 Bq/kg raw
Fig	Nishida,Koriyama, 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 2.2 Bq/kg raw
Natsuhaze	Otama,Adachi, 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 1.6 Bq/kg raw
Shitake mushroom log grown	Fukushima Pref.	Sep-22	Cs137	22.1 Bq/kg raw	± 4.9 Bq/kg raw	22.1	Cs137 2.9 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134 2.7 Bq/kg raw
Soil	Sakaihara,Nakoso, Iwaki	Sep-22	Cs137	263.0 Bq/kg dry	± 27.8 Bq/kg dry	270.2	Cs137 2.1 Bq/kg dry
			Cs134	7.2 Bq/kg dry	± 1.3 Bq/kg dry		Cs134 2.4 Bq/kg dry
Soil	Sakaihara,Nakoso, Iwaki	Sep-22	Cs137	259.0 Bq/kg dry	± 26.7 Bq/kg dry	265.1	Cs137 1.1 Bq/kg dry
			Cs134	6.1 Bq/kg dry	± 0.9 Bq/kg dry		Cs134 1.4 Bq/kg dry
Soil	Sakaihara,Nakoso, Iwaki	Sep-22	Cs137	119.0 Bq/kg dry	± 12.5 Bq/kg dry	121.8	Cs137 1.0 Bq/kg dry
			Cs134	2.8 Bq/kg dry	± 0.6 Bq/kg dry		Cs134 1.3 Bq/kg dry
Soil(in the park) next to the container	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	1660.0 Bq/kg dry	± 168.0 Bq/kg dry	1702.3	Cs137 2.2 Bq/kg dry
			Cs134	42.3 Bq/kg dry	± 4.8 Bq/kg dry		Cs134 2.4 Bq/kg dry
Soil (in the park)	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	1230.0 Bq/kg dry	± 125.0 Bq/kg dry	1261.9	Cs137 2.8 Bq/kg dry
			Cs134	31.9 Bq/kg dry	± 4.0 Bq/kg dry		Cs134 3.1 Bq/kg dry
Soil (in the park)	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	625.0 Bq/kg dry	± 65.4 Bq/kg dry	641.4	Cs137 3.7 Bq/kg dry
			Cs134	16.4 Bq/kg dry	± 2.7 Bq/kg dry		Cs134 4.3 Bq/kg dry
Soil(in the park) behind the net	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	541.0 Bq/kg dry	± 55.0 Bq/kg dry	550.2	Cs137 1.3 Bq/kg dry
			Cs134	9.2 Bq/kg dry	± 1.3 Bq/kg dry		Cs134 1.5 Bq/kg dry
Soil (in the park)	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	189.0 Bq/kg dry	± 20.1 Bq/kg dry	192.8	Cs137 2.0 Bq/kg dry
			Cs134	3.8 Bq/kg dry	± 1.0 Bq/kg dry		Cs134 2.4 Bq/kg dry
Soil(in the park) under the slide	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	167.0 Bq/kg dry	± 17.3 Bq/kg dry	171.5	Cs137 0.9 Bq/kg dry
			Cs134	4.5 Bq/kg dry	± 0.7 Bq/kg dry		Cs134 1.2 Bq/kg dry
Soil(in the park) behind the toilet	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	163.0 Bq/kg dry	± 16.9 Bq/kg dry	168.2	Cs137 1.1 Bq/kg dry
			Cs134	5.2 Bq/kg dry	± 0.8 Bq/kg dry		Cs134 1.3 Bq/kg dry
Soil (in the park)	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	152.0 Bq/kg dry	± 16.4 Bq/kg dry	152.0	Cs137 3.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134 2.9 Bq/kg dry
Soil(in the park) Sandbox	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	105.0 Bq/kg dry	± 11.0 Bq/kg dry	108.9	Cs137 0.8 Bq/kg dry
			Cs134	3.9 Bq/kg dry	± 0.6 Bq/kg dry		Cs134 1.0 Bq/kg dry
Soil(in the park) under the bench	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	88.0 Bq/kg dry	± 9.8 Bq/kg dry	88.0	Cs137 2.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134 3.1 Bq/kg dry
Soil(in the park) under the swing	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	62.1 Bq/kg dry	± 6.6 Bq/kg dry	64.0	Cs137 0.9 Bq/kg dry
			Cs134	1.9 Bq/kg dry	± 0.4 Bq/kg dry		Cs134 1.2 Bq/kg dry
Soil (in the park)	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	48.2 Bq/kg dry	± 5.4 Bq/kg dry	48.2	Cs137 1.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134 2.2 Bq/kg dry
Soil(in the park) under the playground equipment	Numanouchi Park Tairanumanouchi.Iwaki	Aug-22	Cs137	15.3 Bq/kg dry	± 2.1 Bq/kg dry	15.3	Cs137 2.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134 2.9 Bq/kg dry
Soil (in the park)	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	866.0 Bq/kg dry	± 88.0 Bq/kg dry	886.9	Cs137 1.6 Bq/kg dry
			Cs134	20.9 Bq/kg dry	± 2.5 Bq/kg dry		Cs134 1.8 Bq/kg dry
Soil(in the park) under the tree	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	867.0 Bq/kg dry	± 90.6 Bq/kg dry	890.9	Cs137 4.6 Bq/kg dry
			Cs134	23.9 Bq/kg dry	± 3.5 Bq/kg dry		Cs134 5.7 Bq/kg dry

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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)	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	577.0	Bq/kg dry	± 59.0	Bq/kg dry	590.0
			Cs134	13.0	Bq/kg dry	± 1.7	Bq/kg dry	
Soil (in the park)	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	556.0	Bq/kg dry	± 57.4	Bq/kg dry	569.7
			Cs134	13.7	Bq/kg dry	± 2.0	Bq/kg dry	
Soil(in the park) under the bench	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	419.0	Bq/kg dry	± 44.0	Bq/kg dry	433.7
			Cs134	14.7	Bq/kg dry	± 2.4	Bq/kg dry	
Soil(in the park) under the playground equipment	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	390.0	Bq/kg dry	± 41.2	Bq/kg dry	400.7
			Cs134	10.7	Bq/kg dry	± 1.9	Bq/kg dry	
Soil (in the park)	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	340.0	Bq/kg dry	± 35.0	Bq/kg dry	349.0
			Cs134	9.0	Bq/kg dry	± 1.3	Bq/kg dry	
Soil (in the park)	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	228.0	Bq/kg dry	± 23.8	Bq/kg dry	234.7
			Cs134	6.7	Bq/kg dry	± 1.1	Bq/kg dry	
Soil(in the park) Sandbox	Suwahara Park Tairanumanouchi.Iwaki	Aug-22	Cs137	35.5	Bq/kg dry	± 3.9	Bq/kg dry	35.5
			Cs134	—	Bq/kg dry	± —	Bq/kg dry	
Soil (in the park)	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	466.0	Bq/kg dry	± 48.5	Bq/kg dry	481.0
			Cs134	15.0	Bq/kg dry	± 2.2	Bq/kg dry	
Soil (in the park)	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	365.0	Bq/kg dry	± 37.3	Bq/kg dry	375.1
			Cs134	10.1	Bq/kg dry	± 1.3	Bq/kg dry	
Soil (in the park)	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	328.0	Bq/kg dry	± 33.9	Bq/kg dry	337.4
			Cs134	9.4	Bq/kg dry	± 1.4	Bq/kg dry	
Soil (in the park)	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	328.0	Bq/kg dry	± 34.5	Bq/kg dry	337.2
			Cs134	9.2	Bq/kg dry	± 1.6	Bq/kg dry	
Soil(in the park) under the basketball goal	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	202.0	Bq/kg dry	± 20.7	Bq/kg dry	207.0
			Cs134	5.0	Bq/kg dry	± 0.8	Bq/kg dry	
Soil (in the park)	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	165.0	Bq/kg dry	± 17.3	Bq/kg dry	170.3
			Cs134	5.3	Bq/kg dry	± 0.9	Bq/kg dry	
Soil(in the park) under the flower bed	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	157.0	Bq/kg dry	± 16.9	Bq/kg dry	161.6
			Cs134	4.6	Bq/kg dry	± 1.1	Bq/kg dry	
Soil(in the park) under the Animal playset	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	33.0	Bq/kg dry	± 3.9	Bq/kg dry	33.0
			Cs134	—	Bq/kg dry	± —	Bq/kg dry	
Soil(in the park) under the swing	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection
			Cs134	—	Bq/kg dry	± —	Bq/kg dry	
Soil(in the park) under the slide	Momijimachi Park Tairamomiji,Iwaki	Aug-22	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection
			Cs134	—	Bq/kg dry	± —	Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	616.0	Bq/kg dry	± 63.1	Bq/kg dry	632.0
			Cs134	16.0	Bq/kg dry	± 2.1	Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	594.0	Bq/kg dry	± 60.4	Bq/kg dry	610.0
			Cs134	16.0	Bq/kg dry	± 2.0	Bq/kg dry	
Soil(in the park) under the tree	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	520.0	Bq/kg dry	± 53.2	Bq/kg dry	539.2
			Cs134	19.2	Bq/kg dry	± 2.3	Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	318.0	Bq/kg dry	± 32.7	Bq/kg dry	326.6
			Cs134	8.6	Bq/kg dry	± 1.2	Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	277.0	Bq/kg dry	± 29.2	Bq/kg dry	285.2
			Cs134	8.2	Bq/kg dry	± 1.5	Bq/kg dry	
Soil(in the park) under the tire playset	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	251.0	Bq/kg dry	± 26.4	Bq/kg dry	258.2
			Cs134	7.2	Bq/kg dry	± 1.3	Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonnnji,Iwaki	Aug-22	Cs137	211.0	Bq/kg dry	± 22.5	Bq/kg dry	217.4
			Cs134	6.4	Bq/kg dry	± 1.3	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.

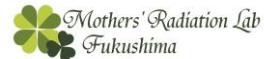
## ★Gamma-ray

(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 Tairakuhonnji,Iwaki	Aug-22	Cs137	147.0	Bq/kg dry	± 15.7	Bq/kg dry	150.4
			Cs134	3.4	Bq/kg dry	± 0.9	Bq/kg dry	
Soil(in the park) under the swing	Kuhonji Park Tairakuhonnji,Iwaki	Aug-22	Cs137	98.0	Bq/kg dry	± 10.3	Bq/kg dry	101.6
			Cs134	3.6	Bq/kg dry	± 0.6	Bq/kg dry	
Soil (in the park)	Kuhonji Park Tairakuhonnji,Iwaki	Aug-22	Cs137	92.6	Bq/kg dry	± 10.2	Bq/kg dry	92.6
			Cs134	—	Bq/kg dry	± —	Bq/kg dry	
Soil(in the park) Sandbox	Kuhonji Park Tairakuhonnji,Iwaki	Aug-22	Cs137	59.1	Bq/kg dry	± 6.6	Bq/kg dry	61.9
			Cs134	2.8	Bq/kg dry	± 0.7	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
			Cs134	18.2	Bq/kg dry	± 2.1	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
			Cs134	17.9	Bq/kg dry	± 2.2	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
			Cs134	11.0	Bq/kg dry	± 1.7	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
			Cs134	9.3	Bq/kg dry	± 1.4	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
			Cs134	2.6	Bq/kg dry	± 0.8	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
			Cs134	4.8	Bq/kg dry	± 1.2	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	13.2	Bq/kg dry	± 1.7	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
			Cs134	11.8	Bq/kg dry	± 1.6	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
			Cs134	11.2	Bq/kg dry	± 1.8	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	—	Bq/kg dry	± —	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
			Cs134	—	Bq/kg dry	± —	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	<b>0.06</b>	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	<b>1.0</b>	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	<b>1.9</b>	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	<b>0.8</b>	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	<b>0.9</b>	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	<b>0.8</b>	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	<b>0.8</b>	Cs137	0.2 Bq/kg raw
				Cs134	—	Bq/kg raw ± — Bq/kg raw		Cs134	0.2 Bq/kg raw
Fox jacopever	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	1.0	Bq/kg raw ± 0.1 Bq/kg raw	<b>1.0</b>	Cs137	0.1 Bq/kg raw
				Cs134	—	Bq/kg raw ± — Bq/kg raw		Cs134	0.1 Bq/kg raw
Fox jacopever	Off the coast of Fukushima Nuclear Power Plant1	Aug-22	CA	Cs137	0.27	Bq/kg raw ± 0.1 Bq/kg raw	<b>0.27</b>	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	<b>0.7</b>	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	<b>0.5</b>	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	<b>0.4</b>	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	<b>0.7</b>	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	<b>0.7</b>	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	<b>0.004</b>	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	<b>0.004</b>	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	<b>0.003</b>	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 necessarily mean 0(zero)Bq/kg.

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result			Uncertainty	Total Amount of Cesium	Minimum Limit of Detection
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	<b>0.003</b>	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	<b>0.002</b>	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	<b>0.002</b>	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	<b>0.003</b>	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	<b>0.003</b>	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	<b>0.01</b>	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	<b>0.005</b>	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	<b>0.003</b>	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	<b>0.003</b>	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	<b>0.014</b>	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	<b>463.8</b>	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 HIDEX 300SLL	Product of PerkinElmer Japan Quantulus GCT 622	Equipment for measuring low-energy beta-ray emission nuclides
		<p>Measuring nuclide          Strontium90 Half-life 30 years          Organically bound 3H Half-life 12.3 years          Free-water 3H Half-life 12.3 years</p> <p>All samples are measured in liquid condition after several days of pretreatment.</p>

(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	1.47 Bq/kg dry	± 0.71 Bq/kg dry	1.07 Bq/kg dry
Greenling	Off the coast of Fukushima Nuclear Power Plant1	May-22	Sr90	0.31 Bq/kg dry	± 0.08 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	0.0008 Bq/L
Tap water	Odaka, Minamisoma, Fukushima	Jul-22	Sr90	Under Minimum Limit of Detection Bq/L	± — 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	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	0.0008 Bq/L
Sea water (surface)	OnahamaPort/ Iwaki	May-22	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	0.0007 Bq/L
Soil	Okuma, Futaba, Fukushima	Aug-22	Sr90	17.08 Bq/kg dry	± 1.12 Bq/kg dry	1.53 Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Aug-22	Sr90	2.26 Bq/kg dry	± 1.05 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	1.56 Bq/kg dry
Soil	Aizuwakamatsu, Fukushima	Aug-22	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — 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	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

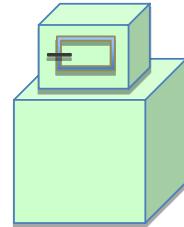
Dr. Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

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%

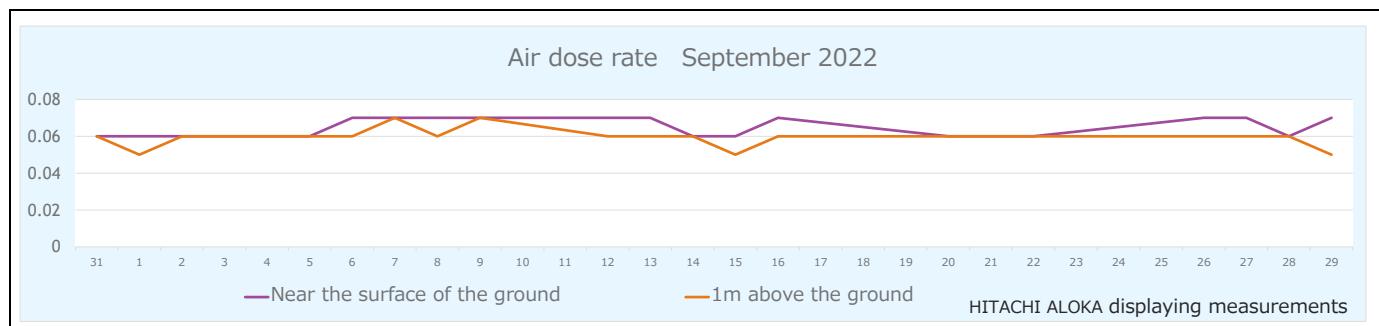


(Bq/kg raw:Weight of raw sample   Bq/kg dry:Weight of dried sample)

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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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		Cs134 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	
⑧HITACHI ALOKA TCS-1172	⑦HORIBA Radi PA-1100		
			
Feature: Measuring air (space) radiation dose and radioactive surface contamination of human body and other things.			



Measuring Date	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