



# Radiation Measurement Results of 171 Items in January





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	
Taro	Ibaraki Pref.	Jan-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
Taro	Iwaki City	Jan-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
Yam	Iwaki City	Jan-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
Taro	Ibaraki Pref.	Jan-22	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	2.1 Bq/kg raw
Carrot	Ibaraki Pref.	Jan-22	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	2.6 Bq/kg raw
Japanese white radish	Hirono, Futaba, Fukushima	Jan-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 white radish	Fukushima Pref.	Jan-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
Japanese white radish	Iwaki City	Jan-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	1.8 Bq/kg raw
Turnip	Hirono, Futaba, Fukushima	Jan-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	1.8 Bq/kg raw
Turnip (pulp)	Ibaraki Pref.	Jan-22	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
Turnip (leaf)	Ibaraki Pref.	Jan-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	2.1 Bq/kg raw
Chinese cabbage	Ibaraki Pref.	Jan-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
Chinese cabbage	Otawara, Tochigi	Dec-21	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.4 Bq/kg raw
Cucumber	Minamisoma, Fukushima	Jan-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
Cauliflower	Fukushima Pref.	Jan-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
Cauliflower	Iwaki City	Jan-22	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.4 Bq/kg raw
Lotus root	Ibaraki Pref.	Jan-22	Cs137	3.1 Bq/kg raw	± 1.8 Bq/kg raw	3.1	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.4 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	
Yacon	Hirono,Futaba, Fukushima	Jan-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
Qing-geng-cai	Iwaki City	Jan-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
Qing-geng-cai	Ibaraki Pref.	Jan-22	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	1.4 Bq/kg raw
Canola flower	Iwaki City	Jan-22	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	1.8 Bq/kg raw
Celery	Fukushima Pref.	Jan-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
Celery (stem)	Ibaraki Pref.	Jan-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	2.3 Bq/kg raw
Celery (leaves)	Ibaraki Pref.	Jan-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	1.8 Bq/kg raw
Celery (leaves)	Shizuoka Pref.	Jan-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
Japanese honeywort (Hydroponics)	Tabito,Iwaki	Jan-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
Japanese parsley	Ibaraki Pref.	Jan-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	1.9 Bq/kg raw
Zha cai	Iwaki City	Jan-22	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.7 Bq/kg raw
Shandong greens	Ibaraki Pref.	Jan-22	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	2.2 Bq/kg raw
Arugula	Iwaki City	Jan-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	2.0 Bq/kg raw
Chives	Fukushima Pref.	Jan-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	1.7 Bq/kg raw
Yuzu	Chiba Pref.	Jan-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
Strawberry	Fukushima Pref.	Jan-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
Strawberry	Iwaki City	Jan-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	1.8 Bq/kg raw
Mandarin orange(pulp)	Nakaoka, Iwaki	Jan-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	2.1 Bq/kg raw
Mandarin orange(peel)	Nakaoka, Iwaki	Jan-22	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	2.2 Bq/kg raw
Mandarin orange(pulp)	Kanagawa Pref.	Jan-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
Mandarin orange(peel)	Kanagawa Pref.	Jan-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	1.6 Bq/kg raw
Chinese citron	Onahamashimokajiro, Iwaki	Jan-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	1.8 Bq/kg raw
Iyokan	Ehime Pref.	Jan-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
Lemon	Nakaoka, Iwaki	Jan-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	
Mountain udo (cultivation)	Nasushiobara, Tochigi	Jan-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
Shitake mushroom grown in bacteria-bed(raw)	Shinchi, Soma, Fukushima	Jan-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
Shitake mushroom grown in bacteria-bed(raw)	Fukushima Pref.	Jan-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
Nameko mushroom (raw)	Fukushima Pref.	Jan-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
Nameko mushroom grown in bacteria-bed(raw)	Otsuki, Koriyama, Fukushima	Jan-22	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
Nameko mushroom grown in bacteria-bed(raw)	Iwaki City	Jan-22	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	1.5 Bq/kg raw
Wood ear mushroom grown in bacteria-bed(dried)	Odaka, Minamisoma, Fukushima	Jan-20	Cs137	11.7 Bq/kg raw	±	5.4 Bq/kg raw	11.7	Cs137	6.5 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	5.4 Bq/kg raw
Dried whitebait	Nanie, Futaba, Fukushima	Jan-22	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
Konjac	Gunma Pref.	Jan-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	1.8 Bq/kg raw
Honey	Minamisoma, Fukushima	Jan-22	Cs137	14.3 Bq/kg raw	±	2.0 Bq/kg raw	14.3	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.1 Bq/kg raw
Honey	Aizuwakamatsu, Fukushima	Jan-22	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	1.0 Bq/kg raw
Barley tea	Saga Pref.	May-21	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
Soil (in the park)	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	1610.0 Bq/kg dry	±	166.0 Bq/kg dry	1667.2	Cs137	4.2 Bq/kg dry
			Cs134	57.2 Bq/kg dry	±	6.8 Bq/kg dry		Cs134	4.5 Bq/kg dry
Soil (in the park)	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	560.0 Bq/kg dry	±	57.9 Bq/kg dry	588.1	Cs137	2.1 Bq/kg dry
			Cs134	28.1 Bq/kg dry	±	3.3 Bq/kg dry		Cs134	2.5 Bq/kg dry
Soil (in the park)	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	207.0 Bq/kg dry	±	21.5 Bq/kg dry	213.0	Cs137	1.2 Bq/kg dry
			Cs134	6.0 Bq/kg dry	±	0.9 Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil (in the park)	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	165.0 Bq/kg dry	±	18.0 Bq/kg dry	172.6	Cs137	2.4 Bq/kg dry
			Cs134	7.6 Bq/kg dry	±	1.5 Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil(in the park) under the swing	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	138.0 Bq/kg dry	±	14.4 Bq/kg dry	143.3	Cs137	1.0 Bq/kg dry
			Cs134	5.3 Bq/kg dry	±	0.8 Bq/kg dry		Cs134	1.2 Bq/kg dry
Soil(in the park) under the slide	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	92.3 Bq/kg dry	±	9.8 Bq/kg dry	95.6	Cs137	1.0 Bq/kg dry
			Cs134	3.3 Bq/kg dry	±	0.6 Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil (in the park)	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	90.9 Bq/kg dry	±	9.6 Bq/kg dry	95.0	Cs137	1.1 Bq/kg dry
			Cs134	4.1 Bq/kg dry	±	0.7 Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil(in the park) under the horizontal bar	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	30.2 Bq/kg dry	±	3.5 Bq/kg dry	30.2	Cs137	1.5 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	1.9 Bq/kg dry
Soil(in the park) Sandbox	Dai Park 1, Sanuka, Iwaki	Dec-21	Cs137	11.5 Bq/kg dry	±	1.5 Bq/kg dry	11.5	Cs137	1.5 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (in the park)	Eguri Daiichi Park 3, Eguri, Nishiki, Iwaki	Dec-21	Cs137	385.0 Bq/kg dry	±	39.6 Bq/kg dry	400.2	Cs137	1.7 Bq/kg dry
			Cs134	15.2 Bq/kg dry	±	2.0 Bq/kg dry		Cs134	2.0 Bq/kg dry
Soil(in the park) under the slide	Eguri Daiichi Park 3, Eguri, Nishiki, Iwaki	Dec-21	Cs137	273.0 Bq/kg dry	±	28.2 Bq/kg dry	282.4	Cs137	1.2 Bq/kg dry
			Cs134	9.4 Bq/kg dry	±	1.3 Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil (in the park)	Eguri Daiichi Park 3, Eguri, Nishiki, Iwaki	Dec-21	Cs137	234.0 Bq/kg dry	±	25.0 Bq/kg dry	243.4	Cs137	2.3 Bq/kg dry
			Cs134	9.4 Bq/kg dry	±	1.7 Bq/kg dry		Cs134	2.9 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)	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	218.0	Bq/kg dry	± 23.3	Bq/kg dry	224.3	Cs137	2.2	Bq/kg dry
			Cs134	6.3	Bq/kg dry	± 1.3	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil (in the park)	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	209.0	Bq/kg dry	± 21.8	Bq/kg dry	215.1	Cs137	1.4	Bq/kg dry
			Cs134	6.1	Bq/kg dry	± 1.0	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil (in the park)	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	149.0	Bq/kg dry	± 15.6	Bq/kg dry	153.2	Cs137	1.2	Bq/kg dry
			Cs134	4.2	Bq/kg dry	± 0.8	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil (in the park)	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	122.0	Bq/kg dry	± 12.8	Bq/kg dry	125.9	Cs137	1.2	Bq/kg dry
			Cs134	3.9	Bq/kg dry	± 0.7	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil(in the park) under the swing	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	112.0	Bq/kg dry	± 12.4	Bq/kg dry	115.1	Cs137	2.2	Bq/kg dry
			Cs134	3.1	Bq/kg dry	± 0.9	Bq/kg dry		Cs134	2.9	Bq/kg dry
Soil(in the park) under the horizontal bar	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	95.5	Bq/kg dry	± 10.7	Bq/kg dry	95.5	Cs137	3.2	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.9	Bq/kg dry
Soil(in the park) sandbox	Eguri Daiichi Park 3.Eguri,Nishiki,Iwaki	Dec-21	Cs137	39.1	Bq/kg dry	± 4.3	Bq/kg dry	39.1	Cs137	1.3	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.2	Bq/kg dry
Soil (in the park)	Eguri Daini Park 1.Eguri,Nishiki,Iwaki	Dec-21	Cs137	228.0	Bq/kg dry	± 24.2	Bq/kg dry	235.6	Cs137	1.7	Bq/kg dry
			Cs134	7.6	Bq/kg dry	± 1.3	Bq/kg dry		Cs134	2.1	Bq/kg dry
Soil (in the park)	Eguri Daini Park 1.Eguri,Nishiki,Iwaki	Dec-21	Cs137	172.0	Bq/kg dry	± 18.2	Bq/kg dry	176.8	Cs137	1.8	Bq/kg dry
			Cs134	4.8	Bq/kg dry	± 1.0	Bq/kg dry		Cs134	2.4	Bq/kg dry
Soil (in the park)	Eguri Daini Park 1.Eguri,Nishiki,Iwaki	Dec-21	Cs137	161.0	Bq/kg dry	± 16.8	Bq/kg dry	165.9	Cs137	1.1	Bq/kg dry
			Cs134	4.9	Bq/kg dry	± 0.8	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Eguri Daini Park 1.Eguri,Nishiki,Iwaki	Dec-21	Cs137	56.7	Bq/kg dry	± 6.2	Bq/kg dry	56.7	Cs137	1.5	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil (in the park)	Eguri Daini Park 1.Eguri,Nishiki,Iwaki	Dec-21	Cs137	16.2	Bq/kg dry	± 2.2	Bq/kg dry	16.2	Cs137	2.0	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.3	Bq/kg dry
Soil (in the park)	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.4	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	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)	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.2	Bq/kg dry
Soil (in the park)	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.6	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.6	Bq/kg dry
Soil (in the park)	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.4	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil(in the park) under the slide	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.0	Bq/kg dry
Soil(in the park) under the swing	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	Cs137	—	Bq/kg dry	± —	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.5	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil(in the park) under the horizontal bar	Numanogawa Park Baba,Eguri,Nishiki,Iwaki	Dec-21	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 playground equipment	Minamidai Garden Park 2.Minamidai,Iwaki	Jan-22	Cs137	1120.0	Bq/kg dry	± 116.0	Bq/kg dry	1162.9	Cs137	2.9	Bq/kg dry
			Cs134	42.9	Bq/kg dry	± 4.9	Bq/kg dry		Cs134	3.0	Bq/kg dry
Soil (in the park)	Minamidai Garden Park 2.Minamidai,Iwaki	Jan-22	Cs137	827.0	Bq/kg dry	± 85.5	Bq/kg dry	849.5	Cs137	3.3	Bq/kg dry
			Cs134	22.5	Bq/kg dry	± 32.0	Bq/kg dry		Cs134	3.8	Bq/kg dry
Soil (in the park)	Minamidai Garden Park 2.Minamidai,Iwaki	Jan-22	Cs137	618.0	Bq/kg dry	± 63.6	Bq/kg dry	637.4	Cs137	2.1	Bq/kg dry
			Cs134	19.4	Bq/kg dry	± 2.5	Bq/kg dry		Cs134	2.3	Bq/kg dry
Soil (in the park)	Minamidai Garden Park 2.Minamidai,Iwaki	Jan-22	Cs137	596.0	Bq/kg dry	± 61.9	Bq/kg dry	615.9	Cs137	2.9	Bq/kg dry
			Cs134	19.9	Bq/kg dry	± 2.8	Bq/kg dry		Cs134	3.2	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

(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	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	455.0 Bq/kg dry	± 47.5 Bq/kg dry	471.4	Cs137	2.5 Bq/kg dry
			Cs134	16.4 Bq/kg dry	± 2.3 Bq/kg dry		Cs134	3.2 Bq/kg dry
Soil(in the park) under the obstacle course	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	414.0 Bq/kg dry	± 43.7 Bq/kg dry	428.1	Cs137	3.1 Bq/kg dry
			Cs134	14.1 Bq/kg dry	± 2.4 Bq/kg dry		Cs134	3.7 Bq/kg dry
Soil(in the park) under the slide	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	412.0 Bq/kg dry	± 42.3 Bq/kg dry	427.0	Cs137	1.4 Bq/kg dry
			Cs134	15.0 Bq/kg dry	± 1.9 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (in the park)	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	369.0 Bq/kg dry	± 37.9 Bq/kg dry	380.8	Cs137	1.4 Bq/kg dry
			Cs134	11.8 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil(in the park) under the bench	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	274.0 Bq/kg dry	± 28.7 Bq/kg dry	281.6	Cs137	1.9 Bq/kg dry
			Cs134	7.6 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	2.2 Bq/kg dry
Soil (in the park)	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	208.0 Bq/kg dry	± 21.6 Bq/kg dry	214.9	Cs137	1.2 Bq/kg dry
			Cs134	6.9 Bq/kg dry	± 1.0 Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil(in the park) sandbox	Minamidai Garden Park 2, Minamidai, Iwaki	Jan-22	Cs137	13.3 Bq/kg dry	± 1.7 Bq/kg dry	13.3	Cs137	1.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.9 Bq/kg dry

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★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 (unhulled)	Date, Fukushima	Oct-21	CA	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.8 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.8 Bq/kg raw
Sweet potato	Hirono, Futaba, Fukushima	Jan-22	OR	Cs137	3.2 Bq/kg raw	±	0.5 Bq/kg raw	3.2	Cs137	0.7 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.7 Bq/kg raw
Japanese white radish	Hirono, Futaba, Fukushima	Jan-22	OR	Cs137	2.8 Bq/kg raw	±	0.3 Bq/kg raw	2.8	Cs137	0.4 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.5 Bq/kg raw
Chinese cabbage	Ogawa, Iwaki	Jan-22	OR	Cs137	0.1 Bq/kg raw	±	0.04 Bq/kg raw	0.1	Cs137	0.08 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.08 Bq/kg raw
Honey	Date, Fukushima	Oct-21	CA	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		Cs134	0.4 Bq/kg raw
Soybeans①	Date, Fukushima	Dec-21	OR	Cs137	6.6 Bq/kg raw	±	0.4 Bq/kg raw	6.6	Cs137	0.7 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.8 Bq/kg raw
Soybeans②	Date, Fukushima	Dec-21	OR	Cs137	3.8 Bq/kg raw	±	0.4 Bq/kg raw	3.8	Cs137	0.7 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.8 Bq/kg raw
Walnut	Hanawa, Higashishirakawa, Fukushima	Dec-20	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		Cs134	1.8 Bq/kg raw
Akayamadori mushroom	Onahama, Iwaki	Jul-21	OR	Cs137	71.5 Bq/kg raw	±	3.2 Bq/kg raw	74.8	Cs137	1.8 Bq/kg raw
				Cs134	3.3 Bq/kg raw	±	1.2 Bq/kg raw		Cs134	2.4 Bq/kg raw
Red seabream	Fukushima Pref.	May-21	CA	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
Sea robin	Fukushima Pref.	Sep-21	OR	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	0.3 Bq/kg raw
Flounder	Ukedo Port/ Fukushima Pref.	Jul-21	OR	Cs137	0.6 Bq/kg raw	±	0.1 Bq/kg raw	0.6	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.2 Bq/kg raw
Salangidae	Ukedo Port/ Fukushima Pref.	Aug-21	OR	Cs137	0.3 Bq/kg raw	±	0.1 Bq/kg raw	0.3	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.2 Bq/kg raw
Sole	Haragama Port/ Fukushima Pref.	Aug-21	CA	Cs137	1.4 Bq/kg raw	±	0.1 Bq/kg raw	1.4	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.2 Bq/kg raw
Sea raven	Haragama Port/ Fukushima Pref.	Apr-21	OR	Cs137	0.4 Bq/kg raw	±	0.1 Bq/kg raw	0.4	Cs137	0.3 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.4 Bq/kg raw
Bigeyed greeneye	Haragama Port/ Fukushima Pref.	Feb-21	CA	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	0.4 Bq/kg raw
Japanese squid	Haragama Port/ Fukushima Pref.	Apr-21	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
Ocellate spot skate	Hisanohama Port/ Iwaki City	Sep-21	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	0.3 Bq/kg raw
Flounder	Hisanohama Port/ Iwaki City	Jun-21	CA	Cs137	0.9 Bq/kg raw	±	0.1 Bq/kg raw	0.9	Cs137	0.5 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.5 Bq/kg raw
Black sea bream	Hisanohama Port/ Iwaki City	Jun-21	OR	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	0.3 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	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection		
Squid	Hisanohama Port/ Iwaki City	Sep-21	OR	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	0.4 Bq/kg raw	
Albacore tuna	Onahama Port/ Iwaki City	Jul-21	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	
Yellowfin tuna	Onahama Port/ Iwaki City	Aug-21	CA	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	
Littlemouth flounder (flesh·egg)	Off the coast of Watari/Miyagi	May-21	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	0.4 Bq/kg raw	
Sea water (surface)	Soma Port/ Fukushima Pref.	Nov-21	OR	Cs137	0.007 Bq/L	± 0.0006	Bq/L	0.007	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Sea water (surface)	Kayahama Coast/ Fukushima Pref.	Nov-21	OR	Cs137	0.006 Bq/L	± 0.0006	Bq/L	0.006	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Sea water (surface)	Ukedo Port/ Fukushima Pref.	Nov-21	OR	Cs137	0.013 Bq/L	± 0.0007	Bq/L	0.013	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Sea water (surface)	Futaba Beach/ Fukushima Pref.	Nov-21	OR	Cs137	0.019 Bq/L	± 0.0007	Bq/L	0.019	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Sea water (surface)	Kumagawa Estuary/ Fukushima Pref.	Nov-21	OR	Cs137	0.043 Bq/L	± 0.001	Bq/L	0.043	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Sea water (surface)	Iwasawa Beach/ Fukushima Pref.	Nov-21	CA	Cs137	0.011 Bq/L	± 0.0006	Bq/L	0.011	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Sea water (surface)	Onahama Port/ Iwaki City	Nov-21	CA	Cs137	0.005 Bq/L	± 0.0006	Bq/L	0.005	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
River water (surface)	Kido River/ Fukushima Pref.	Nov-21	CA	Cs137	0.001 Bq/L	± 0.0005	Bq/L	0.001	Cs137	0.001 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 B	Nov-20	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 (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Nov-20	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 (surface)	Tomioka Port/ Fukushima Pref.	Nov-20	CA	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 (surface)	Tomioka Port/ Fukushima Pref.	Mar-21	OR	Cs137	0.012 Bq/L	± 0.0006	Bq/L	0.012	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	May-21	CA	Cs137	— Bq/L	±	— Bq/L	Under Minimum Limit of Detection	Cs137	0.0008 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.0009 Bq/L	
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	May-21	CA	Cs137	— Bq/L	±	— Bq/L	Under Minimum Limit of Detection	Cs137	0.0008 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Suspended solid in sea water (surface)	Ukedo Port/ Fukushima Pref.	Nov-21	CA	Cs137	0.007 Bq/L	± 0.001	Bq/L	0.007	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.002 Bq/L	
Suspended solid in sea water (surface)	Tomioka Port/ Fukushima Pref.	Nov-21	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 lake water (surface)	Lake Inawashiro (Lake shore)/ Fukushima Pref.	Oct-20	CA	Cs137	0.001 Bq/L	± 0.0004	Bq/L	0.001	Cs137	0.0007 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Suspended solid in lake water (surface)	Lake Inawashiro (Lake heart)/ Fukushima Pref.	Nov-21	CA	Cs137	— Bq/L	±	— Bq/L	Under Minimum Limit of Detection	Cs137	0.0008 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L	
Suspended solid in river water (surface)	Abukuma River/ Miyagi Pref.	Nov-21	OR	Cs137	0.001 Bq/L	± 0.0007	Bq/L	0.001	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.002 Bq/L	
Suspended solid in river water (surface)	Takase River/ Fukushima Pref.	Oct-21	OR	Cs137	0.079 Bq/L	± 0.001	Bq/L	0.081	Cs137	0.0008 Bq/L	
				Cs134	0.002 Bq/L	± 0.0005	Bq/L		Cs134	0.0009 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	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection		
Suspended solid in river water (surface)	Kido River/ Fukushima Pref.	Dec-21	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L	Cs134	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L			0.002 Bq/L		
Soil	Kaminoura, Takahama, Oi, Fukui	Sep-21	OR	Cs137	34.5 Bq/kg dry	± 1.2 Bq/kg dry	34.5	Cs137	1.4 Bq/kg dry	Cs134	1.7 Bq/kg dry
				Cs134	— Bq/kg dry	± — Bq/kg dry			1.7 Bq/kg dry		
Soil	Otone, Takahama, Oi, Fukui	Sep-21	OR	Cs137	1.5 Bq/kg dry	± 0.1 Bq/kg dry	1.5	Cs137	0.3 Bq/kg dry	Cs134	0.3 Bq/kg dry
				Cs134	— Bq/kg dry	± — Bq/kg dry			0.3 Bq/kg dry		
Soil	Atsuga, Fukui	Sep-21	CA	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.4 Bq/kg dry	Cs134	1.2 Bq/kg dry
				Cs134	— Bq/kg dry	± — Bq/kg dry			1.2 Bq/kg dry		
Sea sand	Takenami Beach/ Fukui Pref.	Sep-21	OR	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.0 Bq/kg dry	Cs134	1.1 Bq/kg dry
				Cs134	— Bq/kg dry	± — Bq/kg dry			1.1 Bq/kg dry		
Pine leaves	Mihama, Mikata, Fukui	Sep-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2 Bq/kg raw	Cs134	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			0.2 Bq/kg raw		
Pittosporum tobira leaves	Mihama, Mikata, Fukui	Sep-21	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2 Bq/kg raw	Cs134	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			0.2 Bq/kg raw		



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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	
			Measurement	Unit	Limit	±	Value	Unit	Value	Unit
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.16	Bq/L
Sea water A (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.18	Bq/L
Sea water B (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.19	Bq/L
Sea water C (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.18	Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.19	Bq/L
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Nov-21	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.19	Bq/L
Sea water (surface)	Kaminoura fishing Port/ Fukui Pref.	Sep-21	T (Free)	0.24	Bq/L	±	0.16	Bq/L	0.15	Bq/L
Bamboo shoot	Yanaizu, Kawanuma, Fukushima	Aug-19	Sr90	1.32	Bq/kg dry	±	0.27	Bq/kg dry	0.40	Bq/kg dry
Akamoku seaweed	Genkainada	Aug-19	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.87	Bq/kg dry
White rockfish (head/bone)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	Sr90	0.30	Bq/kg dry	±	0.08	Bq/kg dry	0.11	Bq/kg dry
Fox jacopever (head/bone)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.17	Bq/kg dry
Flounder (head/bone)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.12	Bq/kg dry
Greenling (head, bone)	Off the coast of Fukushima Nuclear Power Plant1	Nov-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.12	Bq/kg dry
Soil	Mt. Shinobu/ Fukushima Pref.	Aug-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.80	Bq/kg dry
Soil	Shimonomachi Park/ Tairanittamae, Iwaki	Aug-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.81	Bq/kg dry
Soil	Tsukudamachi Park Tairatsukuda, Iwaki	Aug-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.63	Bq/kg dry
Soil	Iwaki Park Tairashimotakaku, Iwaki	Apr-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.86	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

(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
Soil	Iwaki Park Tairashimotakaku, Iwaki	Apr-21	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	0.82 Bq/kg dry
Soil	Tamagawa higashi Park Onahama, Iwaki	Aug-20	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	1.64 Bq/kg dry
Soil	Tamagawa chuo Park Onahama, Iwaki	Aug-20	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	1.51 Bq/kg dry
Soil	Onahamahanabatake, Iwaki	Jan-20	Sr90	Under Minimum Limit of Detection Bq/kg dry	± — Bq/kg dry	1.68 Bq/kg dry
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Nov-21	Sr90	0.0007 Bq/L	± 0.0004 Bq/L	0.0006 Bq/L
Sea water (surface)	Kayahama Coast/ Fukushima Pref.	Nov-21	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	0.0006 Bq/L
Sea water (surface)	Futaba Beach/ Fukushima Pref.	Nov-21	Sr90	Under Minimum Limit of Detection Bq/L	± — Bq/L	0.0007 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.



# Measurement results of 16 items by germanium semiconductor detector

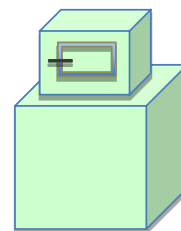
Dr. Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

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	Miharu, Tamura, Fukushima	Sep-21	OR	Cs137	0.4 Bq/kg raw	± 0.06 Bq/kg raw	0.4	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Burdock	Iwaki City	Oct-21	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.08 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Lotus root	Yamaguchi Pref.	Oct-21	OR	Cs137	0.05 Bq/kg raw	± 0.03 Bq/kg raw	0.05	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Qing-geng-cai	Shimookeuri, Kawamae, Iwaki	Oct-21	CA	Cs137	0.12 Bq/kg raw	± 0.03 Bq/kg raw	0.12	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Ginger	Hirata, Ishikawa, Fukushima	Oct-21	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	
chili	Shimookeuri, Kawamae, Iwaki	Oct-21	CA	Cs137	0.6 Bq/kg raw	± 0.2 Bq/kg raw	0.6	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Shitake mushroom grown in bacteria-bed(dried)	Watanabe, Iwaki	Oct-21	OR	Cs137	25.0 Bq/kg raw	± 1.3 Bq/kg raw	25.0	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Shitake mushroom grown in bacteria-bed(dried)	Iwaki City	Oct-21	OR	Cs137	37.0 Bq/kg raw	± 1.5 Bq/kg raw	38.5	Cs137	Bq/kg raw	
				Cs134	1.5 Bq/kg raw	± 0.7 Bq/kg raw		Cs134	Bq/kg raw	
Nameko mushroom grown in log	Kitakata, Fukushima.	Oct-21	CA	Cs137	3.8 Bq/kg raw	± 0.06 Bq/kg raw	3.9	Cs137	Bq/kg raw	
				Cs134	0.1 Bq/kg raw	± 0.02 Bq/kg raw		Cs134	Bq/kg raw	
Maitake mushroom grown in log	Gunma Pref.	Oct-21	CA	Cs137	2.8 Bq/kg raw	± 0.06 Bq/kg raw	2.87	Cs137	Bq/kg raw	
				Cs134	0.07 Bq/kg raw	± 0.02 Bq/kg raw		Cs134	Bq/kg raw	
Oyster mushroom grown in bacteria-bed	Yanagawa, Date, Fukushima	Nov-21	CA	Cs137	5.0 Bq/kg raw	± 0.1 Bq/kg raw	5.1	Cs137	Bq/kg raw	
				Cs134	0.1 Bq/kg raw	± 0.03 Bq/kg raw		Cs134	Bq/kg raw	
Warabi (Boiled plain)	Yamagata Pref.	Oct-21	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		Cs134	Bq/kg raw	
Yacon tea	Marumori, Igu, Miyagi	Jul-21	OR	Cs137	4.2 Bq/kg raw	± 0.9 Bq/kg raw	4.2	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Grape	Hobara, Date, Fukushima	Nov-21	CA	Cs137	0.2 Bq/kg raw	± 0.04 Bq/kg raw	0.2	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Apple	Hirata, Ishikawa, Fukushima	Oct-21	OR	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	
Blueberry jam	Fukushima Pref.	Oct-21	OR	Cs137	0.14 Bq/kg raw	± 0.09 Bq/kg raw	0.14	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	