



Radiation Measurement Results of 158 Items in November


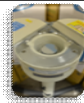


When samples include natural radionuclides we can't deny the possibility of their radiation value counted together in our results.

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		
Sweet potato	Yokozuka, Koriyama, Fukushima	Oct-23	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
Sweet potato	Miharu, Tamura, Fukushima	Oct-23	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
Sweet potato	Minamisoma, Fukushima	Oct-23	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
Sweet potato	Kunimi, Date, Fukushima	Oct-23	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
Burdock	Tamura, Koriyama, Fukushima	Oct-23	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
Ginger	Nishida, Koriyama, Fukushima	Nov-23	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
Yacon	Ogoe, Tamura, Fukushima	Oct-23	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
Pumpkin	Tomioka, Futaba, Fukushima	Oct-23	Cs137	1.8 Bq/kg raw	±	1.2 Bq/kg raw	1.8	Cs137	1.6	Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.3	Bq/kg raw
Chinese cabbage	Nagano Pref.	Nov-23	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
Japanese mustard spinach	Funehiki, Tamura, Fukushima	Nov-23	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.5	Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.2	Bq/kg raw
Asuparana (autumn poem)	Nishida, Koriyama, Fukushima	Nov-23	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.9	Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.6	Bq/kg raw
Takana	Iitate, Soma, Fukushima	Nov-23	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	2.8	Bq/kg raw
Celery	Nagano Pref.	Nov-23	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
Cauliflower	Tamura, Koriyama, Fukushima	Nov-23	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.2	Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.0	Bq/kg raw
Broccoli	Otsuki, Koriyama, Fukushima	Nov-23	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 onion	Iitate, Soma, Fukushima	Nov-23	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
Spring onion	Tamura, Koriyama, Fukushima	Nov-23	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.5	Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.1	Bq/kg raw

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

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

★Gamma-ray

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

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection				
Leek	Kanagawa Pref.	Nov-23	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	1.9	Bq/kg raw
Loofa	Iitate, Soma, Fukushima	Nov-23	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
Chayote	Funehiki, Tamura, Fukushima	Oct-23	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
Chayote	Nihonmatsu, Fukushima	Nov-23	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
Yam bulblet	Funehiki, Tamura, Fukushima	Oct-23	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
Ginkgo	Fukushima Pref.	Nov-23	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.2	Bq/kg raw
Lily bulb	Iitate, Soma, Fukushima	Nov-23	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	3.4	Bq/kg raw
Jujube fruit	Ogoe, Tamura, Fukushima	Oct-23	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
Edible chrysanthemum	Kikuta, Koriyama, Fukushima	Nov-23	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.4	Bq/kg raw
Persimmon	Iwaki, Fukushima	Oct-23	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
Persimmon	Otama, Adachi, Fukushima	Nov-23	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
Persimmon	Funehiki, Tamura, Fukushima	Nov-23	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
Persimmon	Tamura, Koriyama, Fukushima	Nov-23	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
Apple	Katsurao, Futaba, Fukushima	Oct-23	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
Apple	Fukushima, Fukushima Pref.	Nov-23	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
Yuzu	Otama, Adachi, Fukushima	Nov-23	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
Chinese quince	Nishida, Koriyama, Fukushima	Nov-23	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	2.4	Bq/kg raw
Oyster mushroom	Iwaki, Fukushima	Nov-23	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
Soil(in the park) Lawn square	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	Cs137	328.0	Bq/kg dry	±	34.0	Bq/kg dry	334.5	Cs137	1.6	Bq/kg dry
			Cs134	6.5	Bq/kg dry	±	1.1	Bq/kg dry		Cs134	2.0	Bq/kg dry
Soil(in the park) Lawn square	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	Cs137	305.0	Bq/kg dry	±	31.4	Bq/kg dry	311.7	Cs137	1.5	Bq/kg dry
			Cs134	6.7	Bq/kg dry	±	1.1	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil(in the park) Lawn square	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	Cs137	157.0	Bq/kg dry	±	16.5	Bq/kg dry	159.9	Cs137	1.5	Bq/kg dry
			Cs134	2.9	Bq/kg dry	±	0.7	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil(in the park) Lawn square	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	Cs137	129.0	Bq/kg dry	±	14.2	Bq/kg dry	129.0	Cs137	3.3	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	3.0	Bq/kg dry
Soil(in the park) Lawn square	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	Cs137	33.5	Bq/kg dry	±	3.7	Bq/kg dry	33.5	Cs137	1.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil(in the park) Lawn square	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	Cs137	264.0	Bq/kg dry	±	28.0	Bq/kg dry	269.9	Cs137	2.6	Bq/kg dry
			Cs134	5.9	Bq/kg dry	±	1.3	Bq/kg dry		Cs134	3.2	Bq/kg dry

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



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(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) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	104.0	Bq/kg dry	± 11.6	Bq/kg dry	104.0	Cs137	3.1	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	345.0	Bq/kg dry	± 37.0	Bq/kg dry	353.3	Cs137	2.9	Bq/kg dry
			Cs134	8.3	Bq/kg dry	± 1.5	Bq/kg dry		Cs134	3.7	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	293.0	Bq/kg dry	± 30.1	Bq/kg dry	299.2	Cs137	1.1	Bq/kg dry
			Cs134	6.2	Bq/kg dry	± 0.9	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	43.9	Bq/kg dry	± 5.1	Bq/kg dry	43.9	Cs137	2.6	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.0	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	64.3	Bq/kg dry	± 7.4	Bq/kg dry	64.3	Cs137	2.8	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.6	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	145.0	Bq/kg dry	± 15.4	Bq/kg dry	147.3	Cs137	1.3	Bq/kg dry
			Cs134	2.3	Bq/kg dry	± 0.6	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	305.0	Bq/kg dry	± 31.6	Bq/kg dry	311.4	Cs137	1.5	Bq/kg dry
			Cs134	6.4	Bq/kg dry	± 1.0	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	12.2	Bq/kg dry	± 1.5	Bq/kg dry	12.2	Cs137	1.1	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	1040.0	Bq/kg dry	± 107.0	Bq/kg dry	1060.3	Cs137	3.1	Bq/kg dry
			Cs134	20.3	Bq/kg dry	± 2.8	Bq/kg dry		Cs134	3.3	Bq/kg dry
Soil(in the park) Baseball ground	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	38.0	Bq/kg dry	± 4.3	Bq/kg dry	38.0	Cs137	1.2	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil(in the park) Baseball ground	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	305.0	Bq/kg dry	± 31.6	Bq/kg dry	312.6	Cs137	1.6	Bq/kg dry
			Cs134	7.6	Bq/kg dry	± 1.2	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil(in the park) Baseball ground	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	104.0	Bq/kg dry	± 11.7	Bq/kg dry	104.0	Cs137	3.5	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.3	Bq/kg dry
Soil(in the park) Baseball ground	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	259.0	Bq/kg dry	± 26.8	Bq/kg dry	264.2	Cs137	1.4	Bq/kg dry
			Cs134	5.2	Bq/kg dry	± 0.9	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil(in the park) Baseball ground	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	29.4	Bq/kg dry	± 3.3	Bq/kg dry	29.4	Cs137	1.3	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil(in the park) obstacle course space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	223.0	Bq/kg dry	± 23.3	Bq/kg dry	226.8	Cs137	1.5	Bq/kg dry
			Cs134	3.8	Bq/kg dry	± 0.8	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil(in the park) obstacle course space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	253.0	Bq/kg dry	± 26.3	Bq/kg dry	256.6	Cs137	1.6	Bq/kg dry
			Cs134	3.6	Bq/kg dry	± 0.8	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil(in the park) obstacle course space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	120.0	Bq/kg dry	± 13.3	Bq/kg dry	120.0	Cs137	3.3	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.0	Bq/kg dry
Soil(in the park) obstacle course space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	284.0	Bq/kg dry	± 30.4	Bq/kg dry	287.7	Cs137	3.0	Bq/kg dry
			Cs134	3.7	Bq/kg dry	± 1.2	Bq/kg dry		Cs134	3.7	Bq/kg dry
Soil(in the park) obstacle course space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	23.6	Bq/kg dry	± 2.7	Bq/kg dry	23.6	Cs137	1.4	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.6	Bq/kg dry
Soil(in the park) obstacle course space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	8.7	Bq/kg dry	± 1.2	Bq/kg dry	8.7	Cs137	1.8	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.1	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	430.0	Bq/kg dry	± 44.2	Bq/kg dry	437.5	Cs137	1.6	Bq/kg dry
			Cs134	7.5	Bq/kg dry	± 1.2	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	1360.0	Bq/kg dry	± 141.0	Bq/kg dry	1393.4	Cs137	3.3	Bq/kg dry
			Cs134	33.4	Bq/kg dry	± 4.0	Bq/kg dry		Cs134	3.3	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	157.0	Bq/kg dry	± 17.2	Bq/kg dry	157.0	Cs137	3.9	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.6	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	576.0	Bq/kg dry	± 58.9	Bq/kg dry	586.9	Cs137	1.5	Bq/kg dry
			Cs134	10.9	Bq/kg dry	± 1.5	Bq/kg dry		Cs134	1.8	Bq/kg dry

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★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) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	86.2	Bq/kg dry	± 9.6	Bq/kg dry	86.2	Cs137	2.7	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.4	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	80.5	Bq/kg dry	± 8.7	Bq/kg dry	80.5	Cs137	1.3	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	1.6	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	104.0	Bq/kg dry	± 11.3	Bq/kg dry	104.0	Cs137	2.4	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.3	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	171.0	Bq/kg dry	± 18.4	Bq/kg dry	171.0	Cs137	3.2	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.9	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	113.0	Bq/kg dry	± 11.8	Bq/kg dry	115.4	Cs137	1.1	Bq/kg dry
			Cs134	2.4	Bq/kg dry	± 0.5	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	23.0	Bq/kg dry	± 2.8	Bq/kg dry	23.0	Cs137	1.9	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.3	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	57.4	Bq/kg dry	± 6.7	Bq/kg dry	57.4	Cs137	2.8	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	2.6	Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	147.0	Bq/kg dry	± 16.1	Bq/kg dry	147.0	Cs137	4.9	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	4.3	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	355.0	Bq/kg dry	± 37.5	Bq/kg dry	363.0	Cs137	2.6	Bq/kg dry
			Cs134	8.0	Bq/kg dry	± 1.5	Bq/kg dry		Cs134	3.1	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	305.0	Bq/kg dry	± 31.6	Bq/kg dry	311.0	Cs137	1.5	Bq/kg dry
			Cs134	6.0	Bq/kg dry	± 1.0	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	241.0	Bq/kg dry	± 24.9	Bq/kg dry	246.8	Cs137	1.2	Bq/kg dry
			Cs134	5.8	Bq/kg dry	± 0.9	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	206.0	Bq/kg dry	± 21.5	Bq/kg dry	209.3	Cs137	1.5	Bq/kg dry
			Cs134	3.3	Bq/kg dry	± 0.7	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	199.0	Bq/kg dry	± 21.4	Bq/kg dry	199.0	Cs137	4.0	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.5	Bq/kg dry
Soil(in the park) Wanpaku square	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	75.0	Bq/kg dry	± 8.6	Bq/kg dry	75.0	Cs137	3.3	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.0	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	295.0	Bq/kg dry	± 31.4	Bq/kg dry	301.1	Cs137	2.7	Bq/kg dry
			Cs134	6.1	Bq/kg dry	± 1.4	Bq/kg dry		Cs134	3.4	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	340.0	Bq/kg dry	± 35.9	Bq/kg dry	348.2	Cs137	3.0	Bq/kg dry
			Cs134	8.2	Bq/kg dry	± 1.7	Bq/kg dry		Cs134	3.7	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	321.0	Bq/kg dry	± 33.2	Bq/kg dry	327.3	Cs137	1.7	Bq/kg dry
			Cs134	6.3	Bq/kg dry	± 1.1	Bq/kg dry		Cs134	2.1	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	214.0	Bq/kg dry	± 23.0	Bq/kg dry	214.0	Cs137	4.2	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	3.7	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	134.0	Bq/kg dry	± 14.1	Bq/kg dry	137.0	Cs137	1.1	Bq/kg dry
			Cs134	3.0	Bq/kg dry	± 0.6	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil(in the park) Wanpaku hiroba	Misaki Park Onahama- shimokajiro, Iwaki	Oct-23	Cs137	36.7	Bq/kg dry	± 4.0	Bq/kg dry	36.7	Cs137	1.2	Bq/kg dry
			Cs134	—	Bq/kg dry	± —	Bq/kg dry		Cs134	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

Measuring instrument		Feature		Guide to lower limit※	
Germanium Semiconductor detector					
ORTEC GEM30-70	CANBERRA GC4020	<ul style="list-style-type: none"> 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	
				Cs137	Cs134	Cs137	Cs134		Cs137	Cs134
Rice	Joban, Iwaki	Oct-23	OR	Cs137	0.2 Bq/kg raw	± 0.02 Bq/kg raw		0.2	Cs137	0.04 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.04 Bq/kg raw
Rice	Tenei, Iwase, Fukushima	Oct-23	OR	Cs137	0.2 Bq/kg raw	± 0.02 Bq/kg raw		0.2	Cs137	0.05 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.05 Bq/kg raw
Sweet potato	Miharu, Tamura, Fukushima	Nov-23	CA	Cs137	0.4 Bq/kg raw	± 0.05 Bq/kg raw		0.4	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.09 Bq/kg raw
Pumpkin	Miharu, Tamura, Fukushima	Oct-23	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.1 Bq/kg raw
Okra	Miharu, Tamura, Fukushima	Sep-23	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
Butterbur sprout	Miyakoji, Tamura, Fukushima	Nov-23	OR	Cs137	2.3 Bq/kg raw	± 0.2 Bq/kg raw		2.3	Cs137	0.4 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.5 Bq/kg raw
Warabi(wild)	Miharu, Tamura, Fukushima	Apr-23	CA	Cs137	2.4 Bq/kg raw	± 0.1 Bq/kg raw		2.4	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.2 Bq/kg raw
Lily bulb	Iitate, Soma, Fukushima	Nov-23	OR	Cs137	2.9 Bq/kg raw	± 0.4 Bq/kg raw		2.9	Cs137	0.8 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.9 Bq/kg raw
Dshi pack	Onahana, Iwaki, Fukushima	Nov-23	OR	Cs137	3.9 Bq/kg raw	± 0.7 Bq/kg raw		3.9	Cs137	1.4 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	1.5 Bq/kg raw
Red stingray	Fukushima Pref.	Oct-23	OR	Cs137	1.2 Bq/kg raw	± 0.1 Bq/kg raw		1.2	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.1 Bq/kg raw
Red sea bream	Hisanohama Port/ Fukushima Pref.	Oct-23	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.09 Bq/kg raw
Barracuda	Hisanohama Port/ Fukushima Pref.	Oct-23	CA	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.1 Bq/kg raw
White fin trevally	Hisanohama Port/ Fukushima Pref.	Oct-23	CA	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
Squid	Hisanohama Port/ Fukushima Pref.	Nov-23	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	0.1 Bq/kg raw
Sea lettuce	Matukawa bay/ Fukushima Pref.	Oct-23	CA	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
Shitake mushroom log grown (Cultivation test)	Miyakoji, Tamura, Fukushima	Nov-23	OR	Cs137	619.9 Bq/kg raw	± 6.9 Bq/kg raw		632.9	Cs137	1.6 Bq/kg raw
				Cs134	13.0 Bq/kg raw	± 1.3 Bq/kg raw			Cs134	1.7 Bq/kg raw
Shitake mushroom log grown (Cultivation test)	Miyakoji, Tamura, Fukushima	Nov-23	CA	Cs137	1061.1 Bq/kg raw	± 7.3 Bq/kg raw		1081.7	Cs137	1.5 Bq/kg raw
				Cs134	20.6 Bq/kg raw	± 0.9 Bq/kg raw			Cs134	1.7 Bq/kg raw
Shitake mushroom log grown (Cultivation test)	Miyakoji, Tamura, Fukushima	Nov-23	CA	Cs137	1024.0 Bq/kg raw	± 10.60 Bq/kg raw		1042.8	Cs137	2.7 Bq/kg raw
				Cs134	18.8 Bq/kg raw	± 1.5 Bq/kg raw			Cs134	3.4 Bq/kg raw
Sea water A (surface)	Off the coast of Sendai-shinkou, Miyagi Pref.	Oct-23	CA	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 A (lower)	Off the coast of Sendai-shinkou, Miyagi Pref.	Oct-23	CA	Cs137	0.009 Bq/L	± 0.0007 Bq/L		0.009	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.

★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	
Sea water B (surface)	Off the mouth of River Abukuma, Miyagi Pref.	Oct-23	CA	Cs137	0.001 Bq/L	± 0.0006 Bq/L	0.001	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water B (lower)	Off the mouth of River Abukuma, Miyagi Pref.	Oct-23	CA	Cs137	0.008 Bq/L	± 0.0006 Bq/L	0.008	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water C (surface)	Off the coast of Higashimatsushima, Hamaichi, Miyagi Pref.	Oct-23	CA	Cs137	0.002 Bq/L	± 0.0004 Bq/L	0.002	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water C (lower)	Off the coast of Higashimatsushima, Hamaichi, Miyagi Pref.	Oct-23	CA	Cs137	0.002 Bq/L	± 0.0006 Bq/L	0.002	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water	Futaba-hosoya Beach, Fukushima Pref.	Oct-23	CA	Cs137	0.018 Bq/L	± 0.0007 Bq/L	0.018	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Off the coast of Katsuura, Chiba Pref.	Oct-23	OR	Cs137	0.002 Bq/L	± 0.0004 Bq/L	0.002	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Off the coast of Chikura, Chiba Pref.	Oct-23	OR	Cs137	0.001 Bq/L	± 0.0005 Bq/L	0.001	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water (surface)	Off the coast of Minamiboso, Chiba Pref.	Oct-23	CA	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 A (surface)	Tokyo Bay, Kanagawa Pref.	Nov-23	CA	Cs137	0.001 Bq/L	± 0.0005 Bq/L	0.001	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Sea water B (surface)	Tokyo Bay, Kanagawa Pref.	Nov-23	CA	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 B (lower)	Tokyo Bay, Kanagawa Pref.	Nov-23	OR	Cs137	0.002 Bq/L	± 0.0004 Bq/L	0.002	Cs137	0.0008 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water A surface (Suspended solid)	Off the coast of Sendai-shinkou, Miyagi Pref.	Oct-23	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L
Sea water A lower (Suspended solid)	Off the coast of Sendai-shinkou, Miyagi Pref.	Oct-23	CA	Cs137	0.003 Bq/L	± 0.001 Bq/L	0.003	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water B surface (Suspended solid)	Off the mouth of River Abukuma, Miyagi Pref.	Oct-23	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
Sea water B lower (Suspended solid)	Off the mouth of River Abukuma, Miyagi Pref.	Oct-23	CA	Cs137	0.008 Bq/L	± 0.0007 Bq/L	0.008	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water C surface (Suspended solid)	Off the coast of Higashimatsushima, Hamaichi, Miyagi Pref.	Oct-23	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.002 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water C lower (Suspended solid)	Off the coast of Higashimatsushima, Hamaichi, Miyagi Pref.	Oct-23	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
Sea water (Suspended solid)	Futaba-hosoya Beach, Fukushima Pref.	Oct-23	OR	Cs137	0.042 Bq/L	± 0.001 Bq/L	0.042	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water surface (Suspended solid)	Off the coast of Katsuura, Chiba Pref.	Oct-23	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
Sea water surface (Suspended solid)	Off the coast of Chikura, Chiba Pref.	Oct-23	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
Sea water surface (Suspended solid)	Off the coast of Minamiboso, Chiba Pref.	Oct-23	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
Soil(in the park) Lawn space	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	OR	Cs137	277.7 Bq/kg dry	± 6.0 Bq/kg dry	283.7	Cs137	2.7 Bq/kg dry
				Cs134	6.0 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	2.5 Bq/kg dry
Soil(in the park) Lawn space	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	OR	Cs137	319.7 Bq/kg raw	± 6.0 Bq/kg raw	326.9	Cs137	2.5 Bq/kg raw
				Cs134	7.2 Bq/kg raw	± 1.4 Bq/kg raw		Cs134	2.5 Bq/kg raw
Soil(in the park) Lawn space	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	OR	Cs137	318.0 Bq/kg dry	± 6.3 Bq/kg dry	325.3	Cs137	2.4 Bq/kg dry
				Cs134	7.3 Bq/kg dry	± 1.4 Bq/kg dry		Cs134	2.4 Bq/kg dry
Soil(in the park) Multipurpose space	Misaki Park Onahama-shimokajiro, Iwaki	Oct-23	OR	Cs137	271.2 Bq/kg dry	± 5.7 Bq/kg dry	275.4	Cs137	2.7 Bq/kg dry
				Cs134	4.2 Bq/kg dry	± 1.3 Bq/kg dry		Cs134	2.6 Bq/kg dry

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

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

★Gamma-ray

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



Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Cow hoof	Futaba, Futaba-gun, Fukushima	Oct-23	CA	Cs137	1696.3 Bq/kg raw	± 15.1 Bq/kg raw	1728.9	Cs137	6.1 Bq/kg raw	
				Cs134	32.6 Bq/kg raw	± 1.9 Bq/kg raw		Cs134	6.2 Bq/kg raw	
Cow bone (rib)	Futaba, Futaba-gun, Fukushima	Oct-23	OR	Cs137	682.3 Bq/kg raw	± 10.2 Bq/kg raw	693.7	Cs137	3.4 Bq/kg raw	
				Cs134	11.4 Bq/kg raw	± 2.2 Bq/kg raw		Cs134	4.0 Bq/kg raw	
Cow bone (spine)	Futaba, Futaba-gun, Fukushima	Oct-23	OR	Cs137	1236.9 Bq/kg raw	± 31.3 Bq/kg raw	1254.6	Cs137	11.0 Bq/kg raw	
				Cs134	17.7 Bq/kg raw	± 5.6 Bq/kg raw		Cs134	10.3 Bq/kg raw	
Boar bone (head)	Futaba, Futaba-gun, Fukushima	Oct-23	CA	Cs137	299.2 Bq/kg raw	± 5.5 Bq/kg raw	304.1	Cs137	2.3 Bq/kg raw	
				Cs134	4.9 Bq/kg raw	± 0.9 Bq/kg raw		Cs134	2.4 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.



★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex HIDEX 300SLL	Product of PerkinElmer Japan Quantulus GCT 622	Equipment for measuring low-energy beta-ray emission nuclides
		Measuring nuclide Strontium90 Half-life 30 years Organic Bound Tritium Half-life 12.3 years Free Water Tritium 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	
Fox jacopever	Off the coast of Fukushima Nuclear Power Plant 1	May-23	T (Tissue free water)	Under Minimum Limit of Detection Bq/L	± - Bq/L	± - Bq/L	0.43 Bq/L	Bq/L
Olive flounder	Off the coast of Fukushima Nuclear Power Plant 1	Aug-23	T (Tissue free water)	Under Minimum Limit of Detection Bq/L	± - Bq/L	± - Bq/L	0.35 Bq/L	Bq/L
Fox jacopever	Off the coast of Fukushima Nuclear Power Plant 1	May-22	T (Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	± - Bq/kg raw	0.09 Bq/kg raw	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	May-22	T (Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	± - Bq/kg raw	0.09 Bq/kg raw	Bq/kg raw
Olive flounder	Off the coast of Fukushima Nuclear Power Plant 1	Aug-22	T (Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	± - Bq/kg raw	0.09 Bq/kg raw	Bq/kg raw
Olive flounder	Off the coast of Fukushima Nuclear Power Plant 1	Aug-22	T (Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	± - Bq/kg raw	0.09 Bq/kg raw	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	Nov-22	T (Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	± - Bq/kg raw	0.08 Bq/kg raw	Bq/kg raw
Olive flounder	Off the coast of Fukushima Nuclear Power Plant 1	Aug-23	T (Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	± - Bq/kg raw	0.09 Bq/kg raw	Bq/kg raw
Sea water	Ukedo port/ Fukushima Pref.	Dec-22	T (free)	Under Minimum Limit of Detection Bq/L	± - Bq/L	± - Bq/L	0.04 Bq/L	Bq/L
Sea water	Murakami Coast/ Fukushima Pref.	Dec-22	T (free)	Under Minimum Limit of Detection Bq/L	± - Bq/L	± - Bq/L	0.04 Bq/L	Bq/L
Sea water	Kumagawa Estuary/ Fukushima Pref.	Dec-22	T (free)	Under Minimum Limit of Detection Bq/L	± - Bq/L	± - Bq/L	0.04 Bq/L	Bq/L
Sea water	Futaba Beach/ Fukushima Pref.	Dec-22	T (free)	0.07 Bq/L	± 0.04 Bq/L	± 0.04 Bq/L	0.04 Bq/L	Bq/L
Sea water	Iwasawa Beach/ Fukushima Pref.	Dec-22	T (free)	0.05 Bq/L	± 0.04 Bq/kg dry	± 0.04 Bq/kg dry	0.04 Bq/L	Bq/L
Sea water	Futaba-hosoya Beach, Fukushima Pref.	Oct-23	T (free)	1.01 Bq/L	± 0.06 Bq/kg dry	± 0.06 Bq/kg dry	0.04 Bq/L	Bq/L
Spring water	Futaba-hosoya Beach, Fukushima Pref.	Oct-23	T (free)	0.48 Bq/L	± 0.05 Bq/kg dry	± 0.05 Bq/kg dry	0.04 Bq/L	Bq/L
Bakamatsutake	Iwaki, Fukushima	Oct-23	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/L	± - Bq/L	0.27 Bq/kg dry	Bq/kg dry
Olive flounder (head/bone)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-23	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/L	± - Bq/L	0.14 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.



(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	
Lake water B (lower)	Off the mouth of River Abukuma, Miyagi Pref.	Oct-23	Sr90	0.0007	Bq/L	±	-	Bq/L	0.0005	Bq/L
Lake water C (lower)	Off the coast of Higashimatsushima Hamachi, Miyagi	Oct-23	Sr90	0.0014	Bq/L	±	-	Bq/L	0.0004	Bq/L
Sea water	Futaba-hosoya Beach, Fukushima Pref.	Oct-23	Sr90	0.0007	Bq/L	±	0.0003	Bq/L	0.0004	Bq/L
Sea water (surface)	Off the coast of Katsuura, Chiba Pref.	Oct-23	Sr90	0.0009	Bq/L	±	-	Bq/L	0.0005	Bq/L
Sea water (surface)	Off the coast of Minamiboso, Chiba Pref.	Oct-23	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/kg dry	0.0005	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.



Measuring instrument		Feature	
Germanium Semiconductor detector			
ORTEC GEM30-70	CANBERRA GC4020	<ul style="list-style-type: none"> 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% 	<ul style="list-style-type: none"> Measuring nuclides Cerium Half-life 284 days Ruthenium Half-life 374 days Niobium Half-life 20300 years Manganese Half-life 312 days Zinc Half-life 12.5 days Iron Half-life 45 days Cobalt Half-life 5.27 years
			

※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		Minimum Limit of Detection			
				Element	Unit	Value	±	Unit	Value	Element	Value	Unit
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-23	OR	Ce144	—	Bq/L	±	—	Bq/L	Ce144	0.007	Bq/L
				Ru106	—	Bq/L	±	—	Bq/L	Ru106	0.01	Bq/L
				Nb94	—	Bq/L	±	—	Bq/L	Nb94	0.0008	Bq/L
				Mn54	—	Bq/L	±	—	Bq/L	Mn54	0.001	Bq/L
				Zn65	—	Bq/L	±	—	Bq/L	Zn65	0.002	Bq/L
				Fe59	—	Bq/L	±	—	Bq/L	Fe59	0.006	Bq/L
				Co60	—	Bq/L	±	—	Bq/L	Co60	0.001	Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Aug-23	OR	Ce144	—	Bq/L	±	—	Bq/L	Ce144	0.007	Bq/L
				Ru106	—	Bq/L	±	—	Bq/L	Ru106	0.01	Bq/L
				Nb94	—	Bq/L	±	—	Bq/L	Nb94	0.0008	Bq/L
				Mn54	—	Bq/L	±	—	Bq/L	Mn54	0.001	Bq/L
				Zn65	—	Bq/L	±	—	Bq/L	Zn65	0.002	Bq/L
				Fe59	—	Bq/L	±	—	Bq/L	Fe59	0.006	Bq/L
				Co60	—	Bq/L	±	—	Bq/L	Co60	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.



Measurement results of 16 items by germanium semiconductor detector

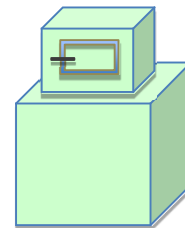
Dr.Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

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%

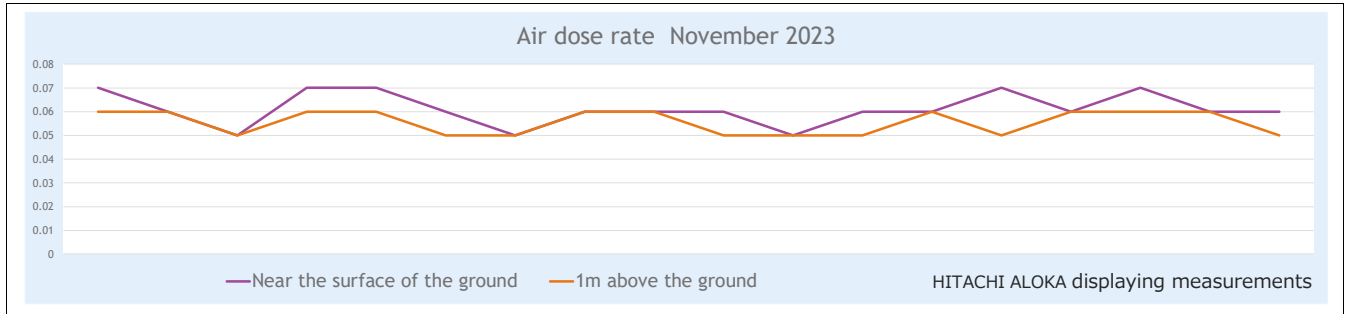


(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
				Cs137	Cs134	±	±		Cs137	Cs134
Potato	Iwaki, Fukushima	Oct-23	OR	Cs137	0.13 Bq/kg raw	± 0.03 Bq/kg raw	0.13	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Eggplant	Nakajima, Nishishirakawa, Fukushima	Sep-23	CA	Cs137	0.07 Bq/kg raw	± 0.04 Bq/kg raw	0.07	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Bitter gourd	Minamisoma, Fukushima	Sep-23	OR	Cs137	0.12 Bq/kg raw	± 0.04 Bq/kg raw	0.12	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Malabar spinach	Kawamata, Date, Fukushima	Sep-23	OR	Cs137	0.17 Bq/kg raw	± 0.06 Bq/kg raw	0.17	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Arugula	Yabuki, Nishishirakawa, Fukushima	Sep-23	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.23 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Perilla leaf	Tamakawa, Ishikawa, Fukushima	Sep-23	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.21 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Water melon	Izumisaki, Nishishirakawa, Fukushima	Sep-23	CA	Cs137	0.016 Bq/kg raw	± 0.008 Bq/kg raw	0.016	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Grape	Shinchi, Soma, Fukushima	Sep-23	CA	Cs137	0.05 Bq/kg raw	± 0.02 Bq/kg raw	0.05	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Grape	Nishigo, Nishishirakawa, Fukushima	Sep-23	OR	Cs137	0.51 Bq/kg raw	± 0.04 Bq/kg raw	0.51	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Japanese pear	Fukushima Pref.	Sep-23	OR	Cs137	1.2 Bq/kg raw	± 0.05 Bq/kg raw	1.2	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Fig	Hobara, Date, Fukushima	Sep-23	OR	Cs137	0.18 Bq/kg raw	± 0.04 Bq/kg raw	0.18	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Natsuhaze	Iitate, Soma, Fukushima	Sep-23	OR	Cs137	2.6 Bq/kg raw	± 0.14 Bq/kg raw	2.6	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Red kidney bean	Yamatsuri, Higashishirakawa, Fukushima	Sep-23	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.49 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Green soybean	Fukushima, Fukushima Pref.	Sep-23	OR	Cs137	3.4 Bq/kg raw	± 0.42 Bq/kg raw	3.4	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Natto	Nihonmatsu, Fukushima	Sep-23	OR	Cs137	2.0 Bq/kg raw	± 0.20 Bq/kg raw	2.0	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Shitake mushroom log grown(dried)	Yamatsuri, Higashishirakawa, Fukushima	Aug-23	OR	Cs137	3.2 Bq/kg raw	± 0.80 Bq/kg raw	3.2	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw

Air dose rate November 2023

Measuring Instrument		Measuring Place
CsI Scintillation survey meter	NaI Scintillation survey meter	Yokocho Park, Onahama, Iwaki, Fukushima
⑤HITACHI ALOKA TCS-1172	⑦HORIBA 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($\mu\text{Sv/h}$)		1m above the ground($\mu\text{Sv/h}$)	
2023/11/1		0.07	0.061	0.06	0.058
2023/11/2		0.06	0.067	0.06	0.063
Measuring Date	Weather	Near the surface of the ground($\mu\text{Sv/h}$)		1m above the ground($\mu\text{Sv/h}$)	
2023/11/6		0.05	0.056	0.05	0.055
2023/11/7		0.07	0.066	0.06	0.065
2023/11/8		0.07	0.067	0.06	0.061
2023/11/9		0.06	0.06	0.05	0.05
2023/11/10		0.05	0.062	0.05	0.06
Measuring Date	Weather	Near the surface of the ground($\mu\text{Sv/h}$)		1m above the ground($\mu\text{Sv/h}$)	
2023/11/13		0.06	0.064	0.06	0.064
2023/11/14		0.06	0.062	0.06	0.056
2023/11/15		0.06	0.065	0.05	0.058
2023/11/16		0.05	0.06	0.05	0.057
2023/11/17		0.06	0.062	0.05	0.059
Measuring Date	Weather	Near the surface of the ground($\mu\text{Sv/h}$)		1m above the ground($\mu\text{Sv/h}$)	
2023/11/20		0.06	0.06	0.06	0.057
2023/11/21		0.07	0.075	0.05	0.069
2023/11/22		0.06	0.065	0.06	0.059
2023/11/24		0.07	0.065	0.06	0.063
Measuring Date	Weather	Near the surface of the ground($\mu\text{Sv/h}$)		1m above the ground($\mu\text{Sv/h}$)	
2023/11/27		0.06	0.059	0.06	0.067
2023/11/28		0.06	0.067	0.05	0.06
2023/11/29		0.06	0.064	0.06	0.061
2023/11/30		0.07	0.067	0.06	0.064