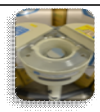
Radiation Measurement Results of 102 Items in August

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	Otama,Adachi, Fukushima	Jul-24	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
Pumpkin	Motomiya, Fukushima	Jul-24	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
Onion	Shirakawa, Fukushima	Aug-24	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
Cucumber	Fukushima Pref.	Aug-24	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
Cucumber	Soma,Fukushima	Jul-24	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
Cucumber	Kunimi,Date, Fukushima	Jul-24	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
Zucchini	Motomiya, Fukushima	Jul-24	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
Eggplant	Motomiya, Fukushima	Jul-24	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	2.7 Bq/kg raw
Wax gourd	Hobara,Date, Fukushima	Jul-24	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
Wax gourd	Ibaraki Pref.	Aug-24	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
Bitter gourd	Soma,Fukushima	Jul-24	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
Bitter gourd	Soma,Fukushima	Jul-24	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
Common bean	Nihonmatsu, Fukushima	Jul-24	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
Tomato	Sukagawa, Fukushima	Jul-24	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
Tomato	Miharu, Tamura,Fukushima	Aug-24	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
Tomato	Katashina, Tone,Gunma	Aug-24	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	1.7 Bq/kg raw
Ginger	Ibaraki Pref.	Aug-24	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

※"—" 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.

Mothers' Radiation Lab Fukushima

★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		
Red perilla	Soma,Fukushima	Jul-24	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.8	Bq/kg raw
Water melon	Yamagata Pref.	Jul-24	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	2.2	Bq/kg raw
Peach	Kori,Date, Fukushima	Jul-24	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
Melon	Ryouzen,Date, Fukushima	Jul-24	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
Melon	Niigata Pref.	Aug-24	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
Grape	Soma,Fukushima	Jul-24	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
Fig	Iwaki,Fukushima	Aug-24	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	2.3	Bq/kg raw
Shiitake mushroom(raw)	Fukushima Pref.	Aug-24	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.2	Bq/kg raw
Egg	Nishishirakawa, Fukushima	Jul-24	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	2.3	Bq/kg raw
Soil	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	485.0	Bq/kg dry	±	50.4	Bq/kg dry	494.1	Cs137	2.5	Bq/kg raw
			Cs134	9.1	Bq/kg dry	±	1.7	Bq/kg dry		Cs134	2.9	Bq/kg raw
Soil	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	851.0	Bq/kg dry	±	87.5	Bq/kg dry	862.3	Cs137	2.8	Bq/kg dry
			Cs134	11.3	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	3.9	Bq/kg dry
Soil	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	847.0	Bq/kg raw	±	86.1	Bq/kg raw	857.5	Cs137	1.5	Bq/kg dry
			Cs134	10.5	Bq/kg raw	±	1.4	Bq/kg raw		Cs134	1.6	Bq/kg dry
Soil	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	918.0	Bq/kg dry	±	93.5	Bq/kg dry	933.0	Cs137	1.8	Bq/kg dry
			Cs134	15.0	Bq/kg dry	±	2.0	Bq/kg dry		Cs134	2.0	Bq/kg dry
Soil	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	260.0	Bq/kg dry	±	27.5	Bq/kg dry	265.0	Cs137	2.7	Bq/kg dry
			Cs134	5.0	Bq/kg dry	±	1.2	Bq/kg dry		Cs134	3.3	Bq/kg dry
Soil (shrubbery①)	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	648.0	Bq/kg dry	±	66.9	Bq/kg dry	660.3	Cs137	2.7	Bq/kg dry
			Cs134	12.3	Bq/kg dry	±	2.0	Bq/kg dry		Cs134	3.0	Bq/kg dry
Soil (shrubbery②)	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	928.0	Bq/kg dry	±	94.1	Bq/kg dry	943.1	Cs137	1.6	Bq/kg dry
			Cs134	15.1	Bq/kg dry	±	1.9	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil (shrubbery③)	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	609.0	Bq/kg dry	±	61.9	Bq/kg dry	619.8	Cs137	1.5	Bq/kg dry
			Cs134	10.8	Bq/kg dry	±	1.5	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil (under the bench①)	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	552.0	Bq/kg dry	±	56.3	Bq/kg dry	559.4	Cs137	1.6	Bq/kg dry
			Cs134	7.4	Bq/kg dry	±	1.2	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil (under the bench②)	Iino,Cyuodai, Iwaki,Fukushima/ Hidamari Park	Jun-24	Cs137	510.0	Bq/kg dry	±	53.0	Bq/kg dry	520.4	Cs137	2.7	Bq/kg dry
			Cs134	10.4	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	3.1	Bq/kg dry
Soil	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	Cs137	355.0	Bq/kg dry	±	37.4	Bq/kg dry	361.2	Cs137	2.8	Bq/kg dry
			Cs134	6.2	Bq/kg dry	±	1.4	Bq/kg dry		Cs134	3.4	Bq/kg dry
Soil	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	Cs137	543.0	Bq/kg dry	±	57.1	Bq/kg dry	552.0	Cs137	3.4	Bq/kg dry
			Cs134	9.0	Bq/kg dry	±	1.9	Bq/kg dry		Cs134	3.9	Bq/kg dry
Soil	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	Cs137	1220.0	Bq/kg dry	±	127.0	Bq/kg dry	1238.9	Cs137	5.2	Bq/kg dry
			Cs134	18.9	Bq/kg dry	±	3.3	Bq/kg dry		Cs134	5.7	Bq/kg dry
Soil (under the bench①)	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	Cs137	624.0	Bq/kg dry	±	65.0	Bq/kg dry	633.7	Cs137	3.0	Bq/kg dry
			Cs134	9.7	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	3.3	Bq/kg dry
Soil (under the bench②)	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	Cs137	676.0	Bq/kg dry	±	70.1	Bq/kg dry	686.6	Cs137	2.8	Bq/kg dry
			Cs134	10.6	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	3.0	Bq/kg dry

Mothers' Radiation Lab Fukushima

★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 (under the tree)	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	Cs137	92.3	Bq/kg dry	±	10.3	Bq/kg dry	92.3	Cs137	3.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	343.0	Bq/kg dry	±	35.2	Bq/kg dry	350.2	Cs137	1.1	Bq/kg dry
			Cs134	7.2	Bq/kg dry	±	1.0	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	1010.0	Bq/kg dry	±	103.0	Bq/kg dry	1025.2	Cs137	1.7	Bq/kg dry
			Cs134	15.2	Bq/kg dry	±	1.9	Bq/kg dry		Cs134	1.7	Bq/kg dry
Soil	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	—	Bq/kg dry	±	—	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.0	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.0	Bq/kg dry
Soil	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	466.0	Bq/kg dry	±	48.5	Bq/kg dry	473.8	Cs137	2.5	Bq/kg dry
			Cs134	7.8	Bq/kg dry	±	1.5	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil (under the slide)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	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 (under the fish playground equipment)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.6	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg raw		Cs134	1.6	Bq/kg dry
Soil (under the tree)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	140.0	Bq/kg dry	±	15.1	Bq/kg dry	140.0	Cs137	2.6	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.4	Bq/kg dry
Soil (under the basketball goal)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	71.1	Bq/kg dry	±	8.0	Bq/kg dry	71.1	Cs137	2.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.3	Bq/kg dry
Soil (under the bench①)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	646.0	Bq/kg dry	±	66.3	Bq/kg dry	656.6	Cs137	2.2	Bq/kg dry
			Cs134	10.6	Bq/kg dry	±	1.5	Bq/kg dry		Cs134	2.6	Bq/kg dry
Soil (under the bench②)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	745.0	Bq/kg dry	±	75.7	Bq/kg dry	755.2	Cs137	1.4	Bq/kg dry
			Cs134	10.2	Bq/kg dry	±	1.3	Bq/kg dry		Cs134	1.6	Bq/kg dry
Soil (entrance)	Amako,Taira, Iwaki,Fukushima/ Amako Park	Jun-24	Cs137	951.0	Bq/kg dry	±	96.5	Bq/kg dry	965.5	Cs137	1.4	Bq/kg dry
			Cs134	14.5	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	1.5	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.

Mothers' Radiation Lab Fukushima

★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	Otama,Adachi, Fukushima	Oct-23	CA	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	0.05 Bq/kg raw
Brown rice	Aizuwakamatsu, Fukushima	Oct-23	OR	Cs137	0.1 Bq/kg raw	± 0.02 Bq/kg raw	0.1	Cs137	0.05 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.06 Bq/kg raw
Brown rice	Nagaoka,Niigata	Oct-23	OR	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	0.08 Bq/kg raw
Barley (mochi mugi)	Okuma,Futaba, Fukushima	Dec-23	OR	Cs137	3.6 Bq/kg raw	± 0.3 Bq/kg raw	3.6	Cs137	0.4 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.5 Bq/kg raw
Onion	Namie,Futaba, Fukushima	May-24	CA	Cs137	0.7 Bq/kg raw	± 0.05 Bq/kg raw	0.7	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.09 Bq/kg raw
Green onion	Izumigaoka, Iwaki,Fukushima	Aug-24	OR	Cs137	0.6 Bq/kg raw	± 0.1 Bq/kg raw	0.6	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw
Cabbage	Gunma Pref.	Aug-24	OR	Cs137	0.2 Bq/kg raw	± 0.03 Bq/kg raw	0.2	Cs137	0.05 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.05 Bq/kg raw
Parsley	Sizuoka Pref.	Mar-24	CA	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	2.9 Bq/kg raw
Chub mackerel	Soma,Fukushima/ Haragama Port	Mar-24	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
Willow flounder	Iwaki,Fukushima/ Hisanohama Port	Apr-24	OR	Cs137	1.5 Bq/kg raw	± 0.5 Bq/kg raw	1.5	Cs137	1.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.2 Bq/kg raw
Zenopsis nebulosa	Iwaki,Fukushima/ Hisanohama Port	Apr-24	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
Japanese common squid	Soma,Fukushima/ Haragama Port	Mar-24	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	0.2 Bq/kg raw
Chlorophyllum rhacodes	Zyoban,Iwaki, Fukushima	Aug-24	OR	Cs137	5.4 Bq/kg raw	± 0.6 Bq/kg raw	5.4	Cs137	1.1 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.5 Bq/kg raw
Russula viridirubrolimbata	Shimokaziro, Onahama,Iwaki	Jul-24	OR	Cs137	806.9 Bq/kg raw	± 26.5 Bq/kg raw	817.6	Cs137	8.3 Bq/kg raw
				Cs134	10.7 Bq/kg raw	± 4.4 Bq/kg raw		Cs134	8.5 Bq/kg raw
Amanita caesareoides	Miharu,Tamura, Fukushima	Jul-24	OR	Cs137	896.7 Bq/kg raw	± 33.6 Bq/kg raw	896.7	Cs137	17.4 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	17.1 Bq/kg raw
Tylopilus neofelleus	Miharu,Tamura, Fukushima	Jul-24	CA	Cs137	15.2 Bq/kg raw	± 2.5 Bq/kg raw	15.2	Cs137	3.7 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	3.9 Bq/kg raw
Dried shiitake mushroom (grown on logs)	Kyusyu	Aug-24	OR	Cs137	4.7 Bq/kg raw	± 0.2 Bq/kg raw	4.7	Cs137	0.3 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw
Sea water C (surface)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	OR	Cs137	0.003 Bq/L	± 0.0005 Bq/L	0.003	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L
Sea water C (surface) suspended solid	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	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

※"_"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.

Mothers' Radiation Lab Fukushima

★Gamma-ray

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

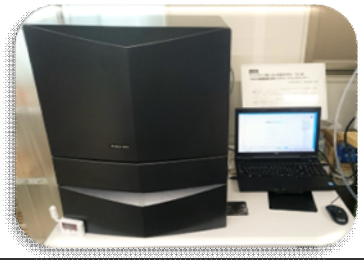
Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result			Uncertainty			Total Amount of Cesium	Minimum Limit of Detection		
Sea water C (lower) suspended solid	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water D (surface) suspended solid	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	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 D (lower) suspended solid	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	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	Iwaki, Onahama,Fukushima/ Onahama Port	Jun-24	OR	Cs137	0.003	Bq/L	±	0.0005	Bq/L	0.003	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water	Yotsukura, Iwaki,Fukushima/ Yotsukura Port	Jun-24	OR	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	Obama,Iwaki, Fukushima/ Obama Port	Jun-24	OR	Cs137	0.003	Bq/L	±	0.0005	Bq/L	0.003	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water	Futaba,Fukushima/ Tomioka Port	Jul-24	OR	Cs137	0.009	Bq/L	±	0.0006	Bq/L	0.009	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water	Higashimatsushima, Miyagi/ Hamaichi Port	Jun-24	OR	Cs137	0.002	Bq/L	±	0.0005	Bq/L	0.002	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water	Sendai,Miyagi/ Sendaishin Port	Jul-24	OR	Cs137	0.003	Bq/L	±	0.0005	Bq/L	0.003	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water (suspended solid)	Futaba,Fukushima/ Tomioka Port	Jul-24	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 (suspended solid)	Watari,Miyagi/ Arahama Coast	Jul-24	CA	Cs137	0.004	Bq/L	±	0.001	Bq/L	0.004	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water (suspended solid)	Sendai,Miyagi/ Sendaishin Port	Jul-24	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
Rain Water	Izumigaoka, Iwaki,Fukushima	Aug-24	OR	Cs137	0.004	Bq/L	±	0.0005	Bq/L	0.004	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Rain Water (suspended solid)	Izumigaoka, Iwaki,Fukushima	Aug-24	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
Activated carbon	Izumigaoka, Iwaki,Fukushima	Aug-24	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	1.4	Bq/kg raw
Soil	Takasaka,Uchigo, Iwaki,Fukushima/ Takasakakita Park.2	Apr-24	CA	Cs137	741.9	Bq/kg dry	±	8.7	Bq/kg dry	754.2	Cs137	3.1	Bq/kg dry
				Cs134	12.3	Bq/kg dry	±	2.0	Bq/kg dry		Cs134	3.7	Bq/kg dry
Soil	Amako,Taira, Iwaki,Fukushima/ Amakomachi Park	Jun-24	OR	Cs137	114.3	Bq/kg dry	±	2.3	Bq/kg dry	116.2	Cs137	1.4	Bq/kg dry
				Cs134	1.9	Bq/kg dry	±	0.6	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (drinking fountains)	Amako,Taira, Iwaki,Fukushima/ Amakomachi Park	Jun-24	OR	Cs137	763.7	Bq/kg dry	±	8.9	Bq/kg dry	775.2	Cs137	3.1	Bq/kg dry
				Cs134	11.5	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	3.2	Bq/kg dry
Soil (under the bench③)	Amako,Taira, Iwaki,Fukushima/ Amakomachi Park	Jun-24	OR	Cs137	429.0	Bq/kg dry	±	6.7	Bq/kg dry	434.9	Cs137	2.7	Bq/kg dry
				Cs134	5.9	Bq/kg dry	±	1.4	Bq/kg dry		Cs134	2.5	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.

Mothers' Radiation Lab Fukushima

★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex **HIDEX 300SLL**	Product of PerkinElmer Japan **Quantulus GCT 6220**	Equipment for measuring low-energy beta-ray emission nuclides Measuring nuclide Strontium90 Half-life 30 years Organic bound Harf-life 12.3 years Free-water tritium Harf-life 12.3 years All samples are measured in liquid condition after several days of pretreatment.
		

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

Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty			Minimum Limit of Detection	
White rockfish A (sebastes cheni)	Miyagi Pref./ Sendai Bay	Apr-24	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.37	Bq/L
White rockfish⑪ (sebastes cheni)	Fukushima Daiichi Nuclear Power Station Offing	May-23	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.38	Bq/L
White rockfish A (sebastes cheni)	Fukushima Daiichi Nuclear Power Station Offing	Mar-24	T(Organically bound)	Under Minimum Limit of Detection	Bq/kg raw	±	-	Bq/kg raw	0.07	Bq/kg raw
Soil	Yagawase, Taira, Iwaki/ Yagawaseizumimachi Park	Jan-23	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/kg dry	2.17	Bq/kg dry
Soil	Shimoyunagaya, Zyoban, Iwaki/ Iwasaki Park	Sep-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/kg dry	1.72	Bq/kg dry
Sea water C (lower)	Miyagi Pref./ Sendai Bay	Apr-24	Sr90	0.0009	Bq/L	±	0.0003	Bq/L	0.0004	Bq/L
Sea water (surface)	Fukushima Pref./ Kumakawa Estuary	May-24	Sr90	0.0012	Bq/L	±	0.0004	Bq/L	0.0006	Bq/L
Sea water (surface)	Fukushima Pref./ Yotsukura Port	Jun-24	Sr90	0.0009	Bq/L	±	0.0003	Bq/L	0.0004	Bq/L
Sea water (surface)	Fukushima Pref./ Obama Port	Jun-24	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0006	Bq/L
Ash	Tomioka, Gunma	Apr-24	Sr90	32.88	Bq/kg dry	±	0.80	Bq/kg dry	0.79	Bq/kg dry
Ash (wood bark)	Hobara, Date, Fukushima	May-24	Sr90	150.14	Bq/kg dry	±	1.53	Bq/kg dry	0.92	Bq/kg dry

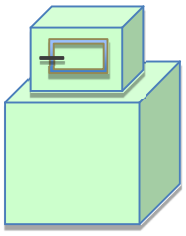
Mothers' Radiation Lab Fukushima

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%

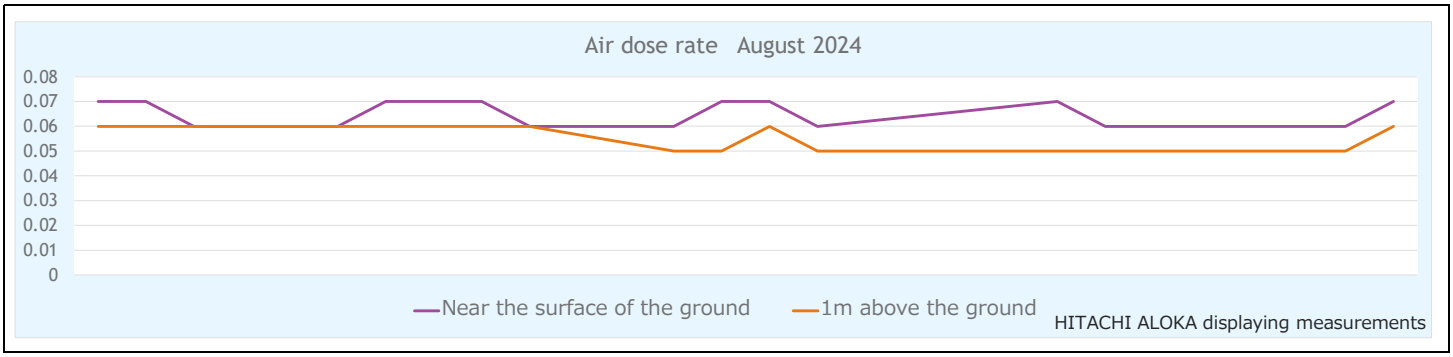
(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Sweet potato	Hirata, Ishikawa,Fukushima	Apr-24	OR	Cs137	0.96 Bq/kg raw	± 0.10 Bq/kg raw	0.96	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Sweet potato	Funehiki, Tamura,Fukushima	Apr-24	CA	Cs137	0.08 Bq/kg raw	± 0.04 Bq/kg raw	0.08	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Bamboo shoot	Yamatsuri, Higashishirakawa, Fukushima	Jun-24	CA	Cs137	0.82 Bq/kg raw	± 0.03 Bq/kg raw	0.82	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Bamboo shoot (hachiku)	Tomioka,Futaba, Fukushima	Jun-24	CA	Cs137	3.9 Bq/kg raw	± 0.06 Bq/kg raw	4.0	Cs137	Bq/kg raw
				Cs134	0.06 Bq/kg raw	± 0.02 Bq/kg raw		Cs134	Bq/kg raw
Japanese white radish	Namie,Futaba, Fukushima	May-24	CA	Cs137	0.29 Bq/kg raw	± 0.04 Bq/kg raw	0.29	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Spring onion	Minamisoma, Fukushima	Apr-24	CA	Cs137	0.43 Bq/kg raw	± 0.04 Bq/kg raw	0.43	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Cauliflower	Miharu,Tamura, Fukushima	May-24	OR	Cs137	0.23 Bq/kg raw	± 0.04 Bq/kg raw	0.23	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Snap garden peas	Funehiki, Tamura,Fukushima	May-24	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	Bq/kg raw
Myoga	Ogoe,Tamura, Fukushima	May-24	CA	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
Garlic shoots	Miharu,Tamura, Fukushima	May-24	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
Udo (cultivation)	Fukushima City	Apr-24	CA	Cs137	0.20 Bq/kg raw	± 0.04 Bq/kg raw	0.20	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Udo (cultivation)	Miharu,Tamura, Fukushima	Apr-24	CA	Cs137	0.36 Bq/kg raw	± 0.04 Bq/kg raw	0.36	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Butterbur (cultivation)	Namie,Futaba, Fukushima	May-24	OR	Cs137	13.7 Bq/kg raw	± 0.1 Bq/kg raw	13.9	Cs137	Bq/kg raw
				Cs134	0.16 Bq/kg raw	± 0.02 Bq/kg raw		Cs134	Bq/kg raw
Ostrich fern sprout (dried)	Tadami, Minamiaizu, Fukushima	Mar-24	OR	Cs137	7.3 Bq/kg raw	± 0.2 Bq/kg raw	7.3	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Kale	Namie,Futaba, Fukushima	May-24	OR	Cs137	0.38 Bq/kg raw	± 0.09 Bq/kg raw	0.38	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Dried shiitake mushroom	Yamatsuri, Higashishirakawa, Fukushima	Mar-24	OR	Cs137	10.7 Bq/kg raw	± 1.3 Bq/kg raw	10.7	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw

Mothers' Radiation Lab Fukushima

Air dose rate August 2024

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 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)	
2024/8/1		0.07	0.068	0.06	0.058
2024/8/2		0.07	0.070	0.06	0.060
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/8/5		0.06	0.065	0.06	0.066
2024/8/6		0.06	0.068	0.06	0.060
2024/8/7		0.07	0.072	0.06	0.058
2024/8/8		0.07	0.069	0.06	0.060
2024/8/9		0.07	0.069	0.06	0.058
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/8/19		0.06	0.071	0.06	0.058
2024/8/20		0.06	0.069	0.05	0.060
2024/8/21		0.07	0.073	0.05	0.059
2024/8/22		0.07	0.072	0.06	0.063
2024/8/23		0.06	0.068	0.05	0.057
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/8/26		0.07	0.073	0.05	0.058
2024/8/27		0.06	0.058	0.05	0.057
2024/8/28		0.06	0.067	0.05	0.056
2024/8/29		0.06	0.069	0.05	0.059
2024/8/30		0.07	0.072	0.06	0.059

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