



Radiation Measurement Results of 94 Items in December



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	Tamura, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.2	Bq/kg raw
Potato	Koriyama, Fukushima	Nov-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.6	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.5	Bq/kg raw
Sweet potato	Koriyama, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.5	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.4	Bq/kg raw
Taro	Koriyama, Fukushima	Nov-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.7	Bq/kg raw
Taro	Koriyama, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.6	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.5	Bq/kg raw
Dried stems of taro	Koriyama, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	5.4	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	4.9	Bq/kg raw
Turnip	Kakuta, Miyagi	Nov-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.7	Bq/kg raw
Japanese red radish	Koriyama, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.3	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.1	Bq/kg raw
Carrot	Shirakawa, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.9	Bq/kg raw
Chinese cabbage	Koriyama, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	3.7	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	3.4	Bq/kg raw
Green onion	Kakuta, Miyagi	Nov-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.7	Bq/kg raw
Yacon	Marumori, Igu, Miyagi	Nov-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.7	Bq/kg raw
Burdock	Higashishirakawa, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	3.3	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	3.1	Bq/kg raw
Wax gourd	Funehiki, Tamura, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.6	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.4	Bq/kg raw
Jerusalem artichoke	Tamura, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.9	Bq/kg raw
Jerusalem artichoke	Kakuta, Miyagi	Nov-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	2.9	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	2.6	Bq/kg raw
Kiwi fruit	Tenei, Iwase, Fukushima	Dec-24	Cs137	—	Bq/kg raw	± —	Under Minimum Limit of Detection	Cs137	1.4	Bq/kg raw
			Cs134	—	Bq/kg raw	± —		Cs134	1.1	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	
Apple	Koriyama, Fukushima	Oct-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.5 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	2.3 Bq/kg raw
Apple	Katsurao, Futaba, Fukushima	Nov-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	2.4 Bq/kg raw
Yuzu	Koriyama, Fukushima	Dec-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.3 Bq/kg raw
Yuzu	Nihonmatsu, Fukushima	Dec-24	Cs137	2.1 Bq/kg raw	± 1.2 Bq/kg raw	— Bq/kg raw	2.1	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.9 Bq/kg raw
Yuzu	Kakuta, Miyagi	Nov-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.0 Bq/kg raw
Mishirazu persimmon	Aizuwakamatsu, Fukushima	Dec-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.3 Bq/kg raw
Savoy spinach	Koriyama, Fukushima	Dec-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.9 Bq/kg raw
Celery	Yamagata Pref.	Dec-24	Cs137	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.6 Bq/kg raw
Mukitake mushroom	Marumori, Igu, Miyagi	Nov-24	Cs137	8.9 Bq/kg raw	± 2.0 Bq/kg raw	— Bq/kg raw	8.9	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.5 Bq/kg raw
Shitake mushroom log grown(raw)	Kakuta, Miyagi	Nov-24	Cs137	11.1 Bq/kg raw	± 3.4 Bq/kg raw	— Bq/kg raw	11.1	Cs137	4.1 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	3.3 Bq/kg raw
Shitake mushroom grown in bacteria-bed(raw)	Koriyama, Fukushima	Dec-24	Cs137	3.6 Bq/kg raw	± 2.3 Bq/kg raw	— Bq/kg raw	3.6	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw	— Bq/kg raw		Cs134	1.8 Bq/kg raw
Soil	Izumi, Iwaki Miyata Park	Aug-24	Cs137	921.0 Bq/kg dry	± 93.8 Bq/kg dry	— Bq/kg dry	932.8	Cs137	2.2 Bq/kg dry
			Cs134	11.8 Bq/kg dry	± 1.8 Bq/kg dry	— Bq/kg dry		Cs134	2.5 Bq/kg dry
Soil (under the tree)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	751.0 Bq/kg dry	± 77.5 Bq/kg dry	— Bq/kg dry	765.3	Cs137	3.1 Bq/kg dry
			Cs134	14.3 Bq/kg dry	± 2.3 Bq/kg dry	— Bq/kg dry		Cs134	3.5 Bq/kg dry
Soil	Izumi, Iwaki Miyata Park	Aug-24	Cs137	631.0 Bq/kg dry	± 64.7 Bq/kg dry	— Bq/kg dry	639.5	Cs137	2.3 Bq/kg dry
			Cs134	8.5 Bq/kg dry	± 1.5 Bq/kg dry	— Bq/kg dry		Cs134	2.8 Bq/kg dry
Soil	Izumi, Iwaki Miyata Park	Aug-24	Cs137	600.0 Bq/kg dry	± 62.4 Bq/kg dry	— Bq/kg dry	607.5	Cs137	2.9 Bq/kg dry
			Cs134	7.5 Bq/kg dry	± 1.6 Bq/kg dry	— Bq/kg dry		Cs134	3.3 Bq/kg dry
Soil	Izumi, Iwaki Miyata Park	Aug-24	Cs137	450.0 Bq/kg dry	± 46.4 Bq/kg dry	— Bq/kg dry	458.0	Cs137	1.7 Bq/kg dry
			Cs134	8.0 Bq/kg dry	± 1.3 Bq/kg dry	— Bq/kg dry		Cs134	1.9 Bq/kg dry
Soil (under the bench③)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	429.0 Bq/kg dry	± 45.1 Bq/kg dry	— Bq/kg dry	438.7	Cs137	2.8 Bq/kg dry
			Cs134	9.7 Bq/kg dry	± 1.9 Bq/kg dry	— Bq/kg dry		Cs134	3.5 Bq/kg dry
Soil (under the bench④)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	268.0 Bq/kg dry	± 28.3 Bq/kg dry	— Bq/kg dry	273.1	Cs137	2.5 Bq/kg dry
			Cs134	5.1 Bq/kg dry	± 1.2 Bq/kg dry	— Bq/kg dry		Cs134	3.3 Bq/kg dry
Soil	Izumi, Iwaki Miyata Park	Aug-24	Cs137	192.0 Bq/kg dry	± 20.7 Bq/kg dry	— Bq/kg dry	192.0	Cs137	3.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry		Cs134	3.4 Bq/kg dry
Soil (at the steps of a slide)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	110.0 Bq/kg dry	± 11.6 Bq/kg dry	— Bq/kg dry	110.0	Cs137	1.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil (under the bench②)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	34.9 Bq/kg dry	± 4.2 Bq/kg dry	— Bq/kg dry	34.9	Cs137	2.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry		Cs134	2.0 Bq/kg dry
Soil(under the horizontal bar)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	25.8 Bq/kg dry	± 2.9 Bq/kg dry	— Bq/kg dry	25.8	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry		Cs134	1.4 Bq/kg dry
Soil (sandbox)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	3.2 Bq/kg dry	± 0.4 Bq/kg dry	— Bq/kg dry	3.2	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry		Cs134	0.7 Bq/kg dry
Soil (under the swing)	Izumi, Iwaki Miyata Park	Aug-24	Cs137	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry	— Bq/kg dry		Cs134	2.2 Bq/kg dry

★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	
Sweet potato	Izumigaoka, Iwaki	Nov-24	CA	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.28 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.26 Bq/kg raw
Taro	Namie,Futaba, Fukushima	Nov-24	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
Japanese white radish	Namie,Futaba, Fukushima	Nov-24	OR	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.14 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.14 Bq/kg raw
Chinese cabbage	Namie,Futaba, Fukushima	Nov-24	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
Green onion	Namie,Futaba, Fukushima	Nov-24	CA	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.12 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.11 Bq/kg raw
Dried persimmon	Date,Fukushima	Dec-24	CA	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.5 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.5 Bq/kg raw
Horse mackerel	Ibaraki Pref. Hirakata Port	Nov-24	CA	Cs137	0.43 Bq/kg raw	±	0.17 Bq/kg raw	0.43	Cs137	0.25 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.23 Bq/kg raw
Mackerel	Numanouchi Port Iwaki City	Dec-24	CA	Cs137	0.24 Bq/kg raw	±	0.12 Bq/kg raw	0.24	Cs137	0.18 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.16 Bq/kg raw
Loquat (leaf)	Ueda,Iwaki	Dec-24	OR	Cs137	3.5 Bq/kg raw	±	0.4 Bq/kg raw	3.5	Cs137	0.7 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.7 Bq/kg raw
Oyster mushroom	Marumori, Igu,Miyagi	Nov-24	OR	Cs137	3.1 Bq/kg raw	±	0.05 Bq/kg raw	3.1	Cs137	0.06 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.07 Bq/kg raw
Mukitake mushroom	Aizuwakamatsu, Fukushima	Nov-24	CA	Cs137	22.0 Bq/kg raw	±	0.1 Bq/kg raw	22.3	Cs137	0.07 Bq/kg raw
				Cs134	0.3 Bq/kg raw	±	0.03 Bq/kg raw		Cs134	0.07 Bq/kg raw
Nameko mushroom	Kakuta,Miyagi	Nov-24	CA	Cs137	2.0 Bq/kg raw	±	0.04 Bq/kg raw	2.0	Cs137	0.06 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	0.07 Bq/kg raw
Sea water	Naraha,Futaba,Fukushima Iwasawa Beach	Nov-24	OR	Cs137	0.005 Bq/L	±	0.0005 Bq/L	0.005	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L
Sea water	Namie,Futaba,Fukushima Ukedo Port	Nov-24	CA	Cs137	0.004 Bq/L	±	0.0005 Bq/L	0.004	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L
Sea water (suspended solid)	Namie,Futaba,Fukushima Ukedo Port	Nov-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	Futaba,Fukushima Futaba Beach	Nov-24	OR	Cs137	0.01 Bq/L	±	0.0006 Bq/L	0.01	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L
Sea water (suspended solid)	Futaba,Fukushima Futaba Beach	Nov-24	CA	Cs137	0.027 Bq/L	±	0.001 Bq/L	0.027	Cs137	0.002 Bq/L
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.002 Bq/L
Sea water	Okuma,Futaba,Fukushima Kumakawa Estuary	Nov-24	OR	Cs137	0.026 Bq/L	±	0.0008 Bq/L	0.026	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	±	— Bq/L		Cs134	0.001 Bq/L
Sea water (suspended solid)	Okuma,Futaba,Fukushima Kumakawa Estuary	Nov-24	CA	Cs137	0.01 Bq/L	±	0.001 Bq/L	0.01	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.

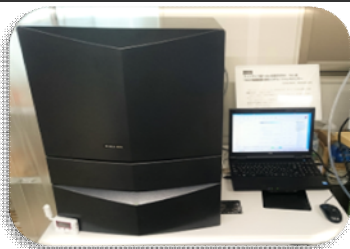


Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Sea water	Soma, Fukushima Soma Port	Nov-24	CA	Cs137	0.003 Bq/L	± 0.0005 Bq/L		0.003	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L			Cs134	0.001 Bq/L
Sea water (suspended solid)	Soma, Fukushima Soma Port	Nov-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
Sea water	Minamisoma, Fukushima Murakami Coast	Nov-24	OR	Cs137	0.01 Bq/L	± 0.0006 Bq/L		0.01	Cs137	0.0009 Bq/L
				Cs134	— Bq/L	± — Bq/L			Cs134	0.001 Bq/L
Sea water (suspended solid)	Minamisoma, Fukushima Murakami Coast	Nov-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	Miyagi Pref. Sendaishin Port	Nov-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 A (surface)	Fukushima Daiichi Nuclear Power Station Offing	Nov-24	OR	Cs137	0.003 Bq/L	± 0.0004 Bq/L		0.003	Cs137	0.001 Bq/L
				Cs134	— Bq/L	± — Bq/L			Cs134	0.001 Bq/L
Sea water A-surface (suspended solid)	Fukushima Daiichi Nuclear Power Station Offing	Nov-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 A (lower)	Fukushima Daiichi Nuclear Power Station Offing	Nov-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 B surface (suspended solid)	Fukushima Daiichi Nuclear Power Station Offing	Nov-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 B lower (suspended solid)	Fukushima Daiichi Nuclear Power Station Offing	Nov-24	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
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	153.3 Bq/kg 乾	± 3.4 Bq/kg 乾		156.0	Cs137	2.1 Bq/kg 乾
				Cs134	2.7 Bq/kg 乾	± 1.0 Bq/kg 乾			Cs134	2.0 Bq/kg 乾
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	119.3 Bq/kg 乾	± 3.1 Bq/kg 乾		119.3	Cs137	1.9 Bq/kg 乾
				Cs134	— Bq/kg 乾	± — Bq/kg 乾			Cs134	2.1 Bq/kg 乾
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	182.8 Bq/kg 乾	± 4.5 Bq/kg 乾		186.1	Cs137	2.6 Bq/kg 乾
				Cs134	3.3 Bq/kg 乾	± 1.2 Bq/kg 乾			Cs134	2.4 Bq/kg 乾
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	216.0 Bq/kg 乾	± 4.5 Bq/kg 乾		220.1	Cs137	2.7 Bq/kg 乾
				Cs134	4.1 Bq/kg 乾	± 1.3 Bq/kg 乾			Cs134	2.6 Bq/kg 乾
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	46.6 Bq/kg 乾	± 0.3 Bq/kg 乾		47.0	Cs137	0.2 Bq/kg 乾
				Cs134	0.4 Bq/kg 乾	± 0.1 Bq/kg 乾			Cs134	0.2 Bq/kg 乾
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	67.9 Bq/kg 乾	± 2.2 Bq/kg 乾		67.9	Cs137	1.3 Bq/kg 乾
				Cs134	— Bq/kg 乾	± — Bq/kg 乾			Cs134	1.4 Bq/kg 乾
Soil	Minamiaizu, Fukushima Mori-no-bunko Fuzawa	Oct-24	OR	Cs137	21.0 Bq/kg 乾	± 0.7 Bq/kg 乾		21.0	Cs137	0.9 Bq/kg 乾
				Cs134	— Bq/kg 乾	± — Bq/kg 乾			Cs134	1.0 Bq/kg 乾
Soil (under the bench㊟)	Izumu, Iwaki Miyata Park	Aug-24	CA	Cs137	309.5 Bq/kg 乾	± 5.0 Bq/kg 乾		315.1	Cs137	2.3 Bq/kg 乾
				Cs134	5.6 Bq/kg 乾	± 1.0 Bq/kg 乾			Cs134	2.7 Bq/kg 乾
Soil (Entrance)	Izumu, Iwaki Miyata Park	Aug-24	CA	Cs137	432.8 Bq/kg 乾	± 6.3 Bq/kg 乾		438.1	Cs137	2.5 Bq/kg 乾
				Cs134	5.3 Bq/kg 乾	± 1.0 Bq/kg 乾			Cs134	2.7 Bq/kg 乾

※"_"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 6220	Equipment for measuring low-energy beta-ray emission nuclides
		Measuring nuclide Strontium90 Half-life 30 years Organic bound 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	
Japanese horse mackerel	Fukushima Pref. Ena Port	Oct-24	T(Tissue free water)	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.36 Bq/L		
Black seabastes②	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(Organically bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	0.07 Bq/kg raw		
Vapor	Rokkashomura, Aomori Herb garden	Sep-22	T(Free)	0.94 Bq/L	± 0.40 Bq/L	0.39 Bq/L		
River water	Aomori Pref. Takase River	Sep-22	T(Free)	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.40 Bq/L		
Sea water (surface)	Aomori Pref. Obuchi Fishing port	Sep-22	T(free)	0.48 Bq/L	± 0.38 Bq/L	0.38 Bq/L		
Sea water (surface)	Aomori Pref. Tomari Fishing port	Sep-22	T(free)	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.38 Bq/L		
Sea water (surface)	Fukushima Pref. Tomioka Port	Dec-23	T(free)	0.11 Bq/L	± 0.04 Bq/L	0.04 Bq/L		
Sea water (surface)	Fukushima Pref. Iwasawa Beach	Dec-23	T(free)	0.09 Bq/L	± 0.04 Bq/L	0.04 Bq/L		
Sea water A (surface)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(free)	0.28 Bq/L	± 0.05 Bq/L	0.04 Bq/L		
Sea water A (lower)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(free)	0.44 Bq/L	± 0.05 Bq/L	0.04 Bq/L		
Sea water B (surface)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(free)	1.64 Bq/L	± 0.08 Bq/L	0.04 Bq/L		
Sea water B (lower)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(free)	0.31 Bq/L	± 0.05 Bq/L	0.04 Bq/L		
Sea water C (surface)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(free)	0.22 Bq/L	± 0.05 Bq/L	0.04 Bq/L		
Sea water C (lower)	Fukushima Daiichi Nuclear Power Station Offing	Jul-24	T(free)	0.08 Bq/L	± 0.04 Bq/L	0.04 Bq/L		
Sea water (surface)	Fukushima Pref. Tomioka Port	Jul-24	T(free)	0.10 Bq/L	± 0.04 Bq/L	0.04 Bq/L		

Measurement results of 16 items by germanium semiconductor detector

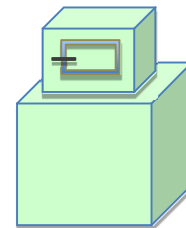
Dr.Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

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%

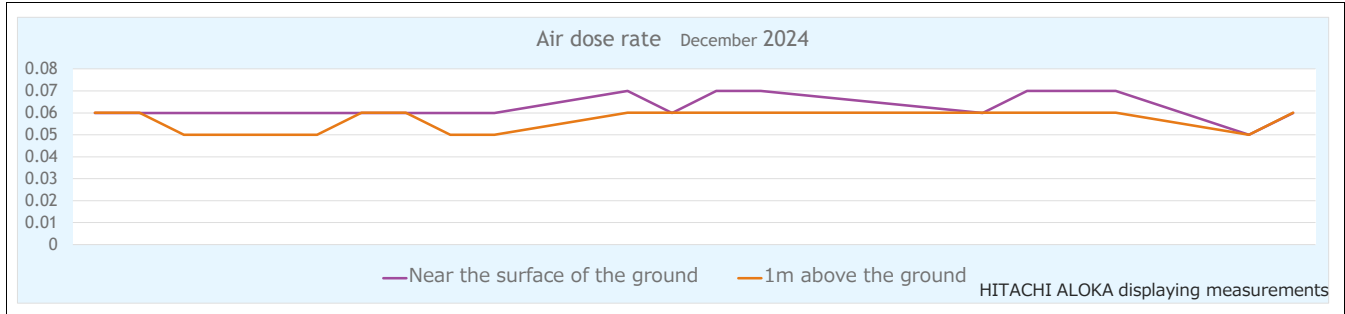


(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Rice flour	Furudono, Ishikawa, Fukushima	Jun-24	OR	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.6 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Potato	Namie, Futaba, Fukushima	Sep-24	CA	Cs137	0.11 Bq/kg raw	±	0.03 Bq/kg raw	0.11	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Sweet potato (stem)	Tamura, Fukushima	Sep-24	OR	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.06 Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Pumpkin	Naraha, Futaba, Fukushima	Sep-24	OR	Cs137	0.50 Bq/kg raw	±	0.05 Bq/kg raw	0.50	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
White eggplant	Motomiya, Fukushima	Oct-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
Apple	Nihonmatsu, Fukushima	Sep-24	CA	Cs137	0.15 Bq/kg raw	±	0.03 Bq/kg raw	0.15	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Japanese pear	Fukushima Pref.	Sep-24	CA	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
Japanese pear	Sukagawa, Fukushima	Sep-24	OR	Cs137	0.06 Bq/kg raw	±	0.02 Bq/kg raw	0.06	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Japanese pear	Atami, Koriyama, Fukushima	Sep-24	CA	Cs137	0.06 Bq/kg raw	±	0.02 Bq/kg raw	0.06	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Pear	Kagamiishi, Iwase, Fukushima	Sep-24	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
Fig	Kawauchi, Futaba, Fukushima	Oct-24	CA	Cs137	0.12 Bq/kg raw	±	0.02 Bq/kg raw	0.12	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Fig	Miharu, Tamura, Fukushima	Oct-24	OR	Cs137	0.08 Bq/kg raw	±	0.03 Bq/kg raw	0.08	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Pawpaw	Motomiya, Fukushima	Oct-24	OR	Cs137	0.70 Bq/kg raw	±	0.05 Bq/kg raw	0.7	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Oyster mushroom (wild)	Onami, Fukushima, Fukushima	Oct-24	OR	Cs137	15.0 Bq/kg raw	±	0.2 Bq/kg raw	15.18	Cs137	Bq/kg raw
				Cs134	0.18 Bq/kg raw	±	0.04 Bq/kg raw		Cs134	Bq/kg raw
Maitake mushroom (log-grown · cultivation)	Minamiaizu, Fukushima	Oct-24	CA	Cs137	6.7 Bq/kg raw	±	0.1 Bq/kg raw	6.7	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw
Shitake mushroom log grown	Iwaki City	Mar-24	CA	Cs137	2.4 Bq/kg raw	±	0.09 Bq/kg raw	2.4	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	Bq/kg raw

Air dose rate December 2024

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 Date	Measuring instrument	HITACHI ALOKA	HORIBA Radi	HITACHI ALOKA	HORIBA Radi
Weather		Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/12/2		0.06	0.068	0.06	0.062
2024/12/3		0.06	0.068	0.06	0.064
2024/12/4		0.06	0.069	0.05	0.063
2024/12/5		0.06	0.067	0.05	0.057
2024/12/6		0.06	0.071	0.06	0.062
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/12/9		0.06	0.067	0.06	0.063
2024/12/10		0.06	0.062	0.05	0.060
2024/12/11		0.06	0.066	0.05	0.059
2024/12/12		0.07	0.071	0.06	0.061
2024/12/13		0.06	0.063	0.06	0.061
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/12/16		0.07	0.071	0.06	0.064
2024/12/17		0.07	0.073	0.06	0.062
2024/12/18		0.06	0.060	0.06	0.060
2024/12/19		0.07	0.072	0.06	0.061
2024/12/20		0.07	0.071	0.06	0.060
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2024/12/23		0.05	0.052	0.05	0.530
2024/12/24		0.06	0.063	0.06	0.061
2024/12/25		0.06	0.064	0.07	0.062
2024/12/26		0.06	0.064	0.06	0.064
2024/12/27		0.07	0.074	0.06	0.063