Radiation Measurement Results of 107 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	
Soil (in the park)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	272.0 Bq/kg dry	± 28.9 Bq/kg dry	272.0	Cs137	3.9 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil (in the park)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	227.0 Bq/kg dry	± 24.2 Bq/kg dry	227.0	Cs137	3.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.7 Bq/kg dry
Soil (in the park)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	178.0 Bq/kg dry	± 18.5 Bq/kg dry	178.0	Cs137	1.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil (in the park)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	122.0 Bq/kg dry	± 12.8 Bq/kg dry	122.0	Cs137	1.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil (bench)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	120.0 Bq/kg dry	± 13.1 Bq/kg dry	120.0	Cs137	2.9 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.1 Bq/kg dry
Soil(slide)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	74.0 Bq/kg dry	± 7.9 Bq/kg dry	74.0	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.0 Bq/kg dry
Soil (in the park)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	58.4 Bq/kg dry	± 6.4 Bq/kg dry	58.4	Cs137	1.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Soil(Sandbox)	Ciyozuru children's playground, Jyoubanmizunoya, Iwaki	Oct-25	Cs137	— Bq/kg dry	± — Bq/kg dry	検出下限値以下	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.8 Bq/kg dry
Soil	Tabito, Iwaki	Oct-25	Cs137	62.1 Bq/kg dry	± 7.1 Bq/kg dry	62.1	Cs137	1.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry

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	Asaka,Koriyama, Fukushima Pref.	Oct-25	CA	Cs137	0.26 Bq/kg raw	± 0.05 Bq/kg raw	0.26	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Sweet potato	Iwaki City	Oct-25	OR	Cs137	0.27 Bq/kg raw	± 0.12 Bq/kg raw	0.27	Cs137	0.25 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.28 Bq/kg raw	
Sweet potato	Fukui Pref.	Nov-25	CA	Cs137	0.27 Bq/kg raw	± 0.11 Bq/kg raw	0.27	Cs137	0.23 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.20 Bq/kg raw	
Taro	Ishikawa, Fukushima Pref.	Nov-25	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	
Jerusalem artichoke (cultivation)	Sukagawa, Fukushima Pref.	Nov-25	OR	Cs137	1.1 Bq/kg raw	± 0.1 Bq/kg raw	1.1	Cs137	0.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Burdock	Aomori Pref.	Nov-25	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	
Carrot	Hokkaidou	Nov-25	OR	Cs137	– Bq/kg raw	± – Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3 Bq/kg raw	
				Cs134	– Bq/kg raw	± – Bq/kg raw		Cs134	0.3 Bq/kg raw	
Japanese red radish	Koriyama, Fukushima Pref.	Nov-25	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	
Onion	Hokkaido	Nov-25	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	0.3 Bq/kg raw	
Cabbage	Gunma Pref.	Oct-25	CA	Cs137	0.4 Bq/kg raw	± 0.1 Bq/kg raw	0.4	Cs137	0.2 Bq/kg raw	
				Cs134	– Bq/kg raw	± – Bq/kg raw		Cs134	0.2 Bq/kg raw	
Cabbage	Gunma Pref.	Nov-25	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	0.2 Bq/kg raw	
Chinese cabbage	Nagano Pref.	Nov-25	CA	Cs137	— Bq/kg raw	± – Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3 Bq/kg raw	
				Cs134	– Bq/kg raw	± – Bq/kg raw		Cs134	0.3 Bq/kg raw	
Japanese mustard spinach	Kumamoto Pref.	Nov-25	OR	Cs137	— Bq/kg raw	± – Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.9 Bq/kg raw	
				Cs134	— Bq/kg raw	± – Bq/kg raw		Cs134	0.8 Bq/kg raw	
Malabar spinach	Nishishirakawa Fukushima Pref.	Oct-25	OR	Cs137	– Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw	
Garland chrysanthemum	Koriyama, Fukushima Pref.	Nov-25	CA	Cs137	0.6 Bq/kg raw	± 0.1 Bq/kg raw	0.6	Cs137	0.4 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.4 Bq/kg raw	
Chayote	Iwaki City	Oct-25	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	
Zucchini	Fukushima Pref.	Oct-25	OR	Cs137	– Bq/kg raw	± – Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw	
Basil	Kawauchi,Futaba, Fukushima Pref.	Oct-25	OR	Cs137	– Bq/kg raw	± – Bq/kg raw	Under Minimum Limit of Detection	Cs137	7.8 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	9.0 Bq/kg raw	
Asuparana (autumn poem)	Koriyama, Fukushima Pref.	Nov-25	CA	Cs137	1.3 Bq/kg raw	± 0.1 Bq/kg raw	1.3	Cs137	0.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 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	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Dill (Herb)	Kauchi, Futaba, Fukushima Pref.	Oct-25	CA	Cs137	－ Bq/kg raw	± －	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.1 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	4.0 Bq/kg raw
Broccoli sprouts	Miyagi Pref.	Oct-25	CA	Cs137	－ Bq/kg raw	± －	Bq/kg raw	Under Minimum Limit of Detection	Cs137	9.5 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	8.9 Bq/kg raw
Paprika	Yamanashi Pref.	Oct-25	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
Yuzu	Koriyama, Fukushima Pref.	Nov-25	OR	Cs137	1.0 Bq/kg raw	± 0.2	Bq/kg raw	1.0	Cs137	0.3 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.4 Bq/kg raw
Yuzu	Onahama, Iwaki	Nov-25	OR	Cs137	1.0 Bq/kg raw	± 0.06	Bq/kg raw	1.0	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.09 Bq/kg raw
Yuzu (pulp)	Kashima, Iwaki	Nov-25	OR	Cs137	0.3 Bq/kg raw	± 0.04	Bq/kg raw	0.3	Cs137	0.07 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.07 Bq/kg raw
Yuzu (peel)	Kashima, Iwaki	Nov-25	CA	Cs137	0.4 Bq/kg raw	± 0.04	Bq/kg raw	0.4	Cs137	0.07 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.07 Bq/kg raw
Chestnut	Tabito, Iwaki	Sep-25	OR	Cs137	1.9 Bq/kg raw	± 0.07	Bq/kg raw	1.9	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.1 Bq/kg raw
Persimmon	Aizuwakamatsu, Fukushima Pref.	Nov-25	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
Persimmon	Onahama, Iwaki	Nov-25	OR	Cs137	0.8 Bq/kg raw	± 0.05	Bq/kg raw	0.8	Cs137	0.08 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.09 Bq/kg raw
Persimmon	Kakuta, Miyagi Pref.	Oct-25	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
Mandarin orange	Kumamoto Pref.	Nov-25	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
Chinese quince	Yamanashi Pref.	Oct-25	CA	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	CA	Cs137	0.6 Bq/kg raw	± 0.1	Bq/kg raw	0.6	Cs137	0.3 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	CA	Cs137	0.5 Bq/kg raw	± 0.1	Bq/kg raw	0.5	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	CA	Cs137	0.3 Bq/kg raw	± 0.1	Bq/kg raw	0.3	Cs137	0.3 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	CA	Cs137	0.2 Bq/kg raw	± 0.08	Bq/kg raw	0.2	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.1 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	CA	Cs137	0.2 Bq/kg raw	± 0.1	Bq/kg raw	0.2	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	CA	Cs137	0.2 Bq/kg raw	± 0.08	Bq/kg raw	0.2	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.1 Bq/kg raw
White rockfish	Souma, Fukushima pref.	Oct-25	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
Shitake mushroom log grown	Tabito, Iwaki	Nov-25	CA	Cs137	9.2 Bq/kg raw	± 0.1	Bq/kg raw	9.3	Cs137	0.1 Bq/kg raw
				Cs134	0.1 Bq/kg raw	± 0.05	Bq/kg raw		Cs134	0.1 Bq/kg raw
Shitake mushroom grown in bacteria-bed	Koriyama, Fukushima Pref.	Nov-25	OR	Cs137	2.6 Bq/kg raw	± 0.3	Bq/kg raw	2.6	Cs137	0.4 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.5 Bq/kg raw
Eniki mushroom	Nagano Pref.	Nov-25	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
Shimeji mushroom (white)	Nagano Pref.	Nov-25	OR	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.4 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.4 Bq/kg raw

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		
Shimeji mushroom	Nagano Pref.	Nov-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.4	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.4	Bq/kg raw
Oyster mushroom	Nagaoka, Niigata Pref.	Nov-25	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
Maitake mushroom	Ono, Fukui Pref.	Nov-25	OR	Cs137	1.0	Bq/kg raw	±	0.04	Bq/kg raw	1.0	Cs137	0.06	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.08	Bq/kg raw
Roasted green tea	Japan (production)	Oct-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.9	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.8	Bq/kg raw
Suspended solid in sea water A(surface)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.002	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.002	Bq/kg raw
Suspended solid in sea water A(lower)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.002	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.002	Bq/kg raw
Suspended solid in sea water B(surface)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.001	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.002	Bq/kg raw
Suspended solid in sea water B(lower)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.002	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.002	Bq/kg raw
Suspended solid in sea water C(surface)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.001	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.001	Bq/kg raw
Suspended solid in sea water C(lower)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	0.0019	Bq/kg raw	±	0.0005	Bq/kg raw	0.0019	Cs137	0.001	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.001	Bq/kg raw
Oak tree (Shitake mushroom log grown)	Tabito, Iwaki	Oct-25	OR	Cs137	12.0	Bq/kg raw	±	0.2	Bq/kg raw	12.3	Cs137	0.2	Bq/kg raw
				Cs134	0.3	Bq/kg raw	±	0.1	Bq/kg raw		Cs134	0.2	Bq/kg raw
Cedar tree	Tabito, Iwaki	Oct-25	OR	Cs137	11.8	Bq/kg raw	±	0.3	Bq/kg raw	11.8	Cs137	0.3	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.3	Bq/kg raw
Moso bamboo	Tabito, Iwaki	Oct-25	OR	Cs137	2.9	Bq/kg raw	±	0.1	Bq/kg raw	2.9	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
Lawn	Tabito, Iwaki	Oct-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.3	Bq/kg raw
Marimo	Izumigaoka, Iwaki	Sep-25	OR	Cs137	23.0	Bq/kg raw	±	0.3	Bq/kg raw	23.6	Cs137	0.3	Bq/kg raw
				Cs134	0.6	Bq/kg raw	±	0.1	Bq/kg raw		Cs134	0.3	Bq/kg raw
Dayflower	Izumigaoka, Iwaki	Sep-25	CA	Cs137	9.3	Bq/L	±	0.3	Bq/L	9.3	Cs137	0.6	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.5	Bq/L
Dust	Izumigaoka, Iwaki	Sep-25	CA	Cs137	397.4	Bq/L	±	4.3	Bq/L	402.5	Cs137	2.6	Bq/L
				Cs134	5.1	Bq/L	±	1.0	Bq/L		Cs134	2.6	Bq/L

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 tritium 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	
Flounder	Sendai Bay/ Miyagi Pref.	Sep-25	T(Organic bound)	Under Minimum Limit of Detection	Bq/kg raw	±	-	Bq/L	0.08	Bq/kg raw
Flounder	Sendai Bay/ Miyagi Pref.	Sep-25	T(Organic bound)	Under Minimum Limit of Detection	Bq/kg raw	±	-	Bq/L	0.07	Bq/kg raw
Flounder	Sendai Bay/ Miyagi Pref.	Sep-25	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.37	Bq/L
Wakame seaweed	Sanriku Jyoban production	Sep-25	T(Tissue free water)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.37	Bq/L
Sea water (surface)	Futaba Beach/ Fukushima Pref.	Jun-25	T(free)	0.24	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Iwasawa Beach/ Fukushima Pref.	Jun-25	T(free)	0.45	Bq/L	±	0.06	Bq/L	0.04	Bq/L
Sea water A (surface)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	T(free)	0.23	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water A (lower)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	T(free)	0.17	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water B (surface)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	T(free)	0.68	Bq/L	±	0.06	Bq/L	0.04	Bq/L
Sea water B (lower)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	T(free)	0.33	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water C (surface)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	T(free)	0.36	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water C (lower)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	T(free)	0.69	Bq/L	±	0.06	Bq/L	0.04	Bq/L
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Jul-25	T(free)	0.18	Bq/L	±	0.05	Bq/L	0.04	Bq/L
Sea water	Chikura,Minamibousou, Chiba Pref.	Jun-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
Sea water	Sanbanze/ Urayasu,Chiba Pref.	Jun-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
Sea water	Nagoya、Aichi Pref.	Jun-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
Sea water	Hirokotsubo, Kure,Hiroshima Pref.	Aug-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
Sea water	Himegaura Coast/ Kumamoto Pref.	Jun-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L

(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	
Sea water	Off the coast of Fukushima	Jul-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
Sea water	Nakoso Coast/ Iwaki	Jul-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
River water	Nagasu,Tamana, Kumamoto Pref.	Jun-22	T(free)	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.09	Bq/L
White rockfish (whole)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	Sr90	0.23	Bq/kg dry	±	0.06	Bq/L	0.08	Bq/kg dry
Fox jacopever (whole)	Off the coast of Fukushima Nuclear Power Plant1	Jul-25	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	0.10	Bq/kg dry
Flounder (head/bone)	Sendai Bay/ Miyagi Pref.	Sep-25	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	0.09	Bq/kg dry
Flounder (head/bone)	Sendai Bay/ Miyagi Pref.	Sep-25	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	0.08	Bq/kg dry
White rockfish (whole)	Sendai Bay/ Miyagi Pref.	Sep-25	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	0.08	Bq/kg dry
Blak bass	Iidate,Souma, Fukushima Pref.	Apr-21	Sr90	0.66	Bq/kg dry	±	0.07	Bq/L	0.10	Bq/kg dry
Sea water C (lower)	Sendai Bay/ Miyagi Pref.	Sep-25	Sr90	0.0010	Bq/L	±	0.0003	Bq/L	0.0004	Bq/L
Sea water A (surface)	Off the coast of Fukushima Nuclear Power Plant1	Nov-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0005	Bq/L
Sea water A (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0007	Bq/L
Sea water B (surface)	Off the coast of Fukushima Nuclear Power Plant1	Nov-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0005	Bq/L
Sea water B (lower)	Off the coast of Fukushima Nuclear Power Plant1	Nov-25	Sr90	Under Minimum Limit of Detection	Bq/L	±	-	Bq/L	0.0006	Bq/L
Soil	Minamidai Wildwood Park, Minamidsi,Iwaki	Jan-22	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	1.57	Bq/kg dry
Soil	Shiokazeno-oka Park, Minamidai、 Iwaki	Jan-22	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	1.42	Bq/kg dry
Soil	Minamidai Garden Park, Minamidai、 Iwaki	Jan-22	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	1.43	Bq/kg dry
Soil	Nishiki Chuo Park, 3 Nishiki Chuo, Iwaki	Nov-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	-	Bq/L	1.38	Bq/kg dry

Mothers' Radiation Lab Fukushima

Measuring instrument		Feature	
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%	・Measuring nuclides Cerium-144 Half-life 284 days Ruthenium-106 Half-life 374 days Niobium-94 Half-life 20300 years Manganese-54 Half-life 312 days Zinc-65 Half-life 12.5 days Iron-59 Half-life 45 days Cobalt-60 Half-life 5.27 years
			

※The lower limit varies depending on the sample weight and measurement t

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		
Sea water D (surface)	Off the coast of Fukushima Daiichi Nuclear Power Station	Jul-25	OR	Ce144	—	Bq/L	±	—	Bq/L	Ce144	0.02	Bq/L
				Ru106	—	Bq/L	±	—	Bq/L	Ru106	0.02	Bq/L
				Nb94	—	Bq/L	±	—	Bq/L	Nb94	0.002	Bq/L
				Mn54	—	Bq/L	±	—	Bq/L	Mn54	0.002	Bq/L
				Zn65	—	Bq/L	±	—	Bq/L	Zn65	0.006	Bq/L
				Fe59	—	Bq/L	±	—	Bq/L	Fe59	0.01	Bq/L
				Co60	—	Bq/L	±	—	Bq/L	Co60	0.003	Bq/L
Sea water D (lower)	Off the coast of Fukushima Daiichi Nuclear Power Station	Jul-25	OR	Ce144	—	Bq/L	±	—	Bq/L	Ce144	0.02	Bq/L
				Ru106	—	Bq/L	±	—	Bq/L	Ru106	0.02	Bq/L
				Nb94	—	Bq/L	±	—	Bq/L	Nb94	0.002	Bq/L
				Mn54	—	Bq/L	±	—	Bq/L	Mn54	0.002	Bq/L
				Zn65	—	Bq/L	±	—	Bq/L	Zn65	0.005	Bq/L
				Fe59	—	Bq/L	±	—	Bq/L	Fe59	0.01	Bq/L
				Co60	—	Bq/L	±	—	Bq/L	Co60	0.003	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.

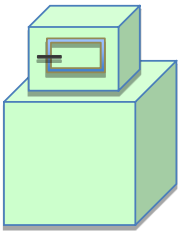
Mothers' Radiation Lab Fukushima

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%

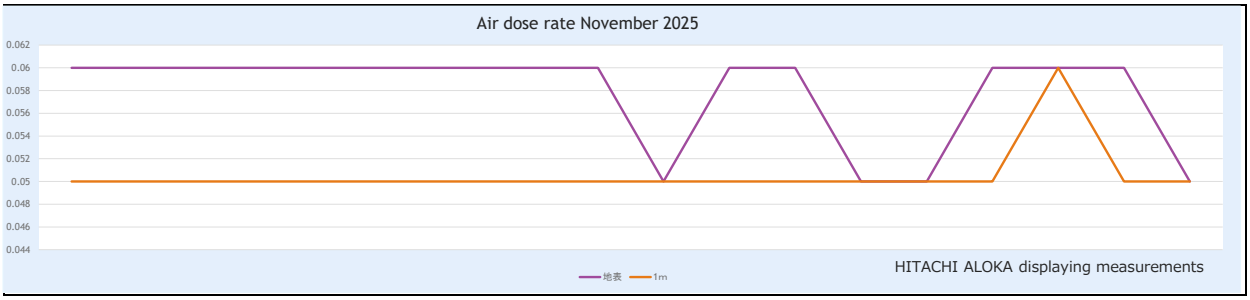
(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Carrot	Hokkaido	Aug-25	OR	Cs137	0.09 Bq/kg raw	± 0.05 Bq/kg raw		0.09	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Wax gourd	Koriyama, Fukushima Pref.	Sep-25	CA	Cs137	0.07 Bq/kg raw	± 0.02 Bq/kg raw		0.07	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Bitter gourd	Koriyama, Fukushima Pref.	Sep-25	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	Bq/kg raw
Kale	Shirakawa, Fukushima Pref.	Sep-25	CA	Cs137	0.37 Bq/kg raw	± 0.07 Bq/kg raw		0.37	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Pumpkin	Natori, Miyagi Pref.	Sep-25	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.16 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Corn	Kawanishi, Okitama, Yamagata Pref.	Aug-25	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.18 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Moloheiya	Natori, Miyagi Pref.	Sep-25	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.15 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Ginger	Natori, Miyagi Pref.	Sep-25	CA	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	Bq/kg raw
Myoga	Yonezawa, Yamagata Pref.	Aug-25	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)	Okoshi, Tamura, Fukushima Pref.	Sep-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.05 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Dried bracken	Nagai, Yamagata Pref.	Aug-25	OR	Cs137	1.2 Bq/kg raw	± 0.32 Bq/kg raw		1.2	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Dried houttuynia cordata	Nanyou, Yamagarta Pref.	Aug-25	OR	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	Bq/kg raw
Flounder (flesh)	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	0.18 Bq/kg raw	± 0.05 Bq/kg raw		0.18	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Pufferfish(flesh) Four fish	Sendai Bay/ Miyagi Pref.	Sep-25	OR	Cs137	0.20 Bq/kg raw	± 0.08 Bq/kg raw		0.20	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Wakame seaweed	Jouban Producyion/ Sanriku	Sep-25	CA	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.07 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	Bq/kg raw
Japanese pear	Nigata Pref.	Aug-25	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	Bq/kg raw

Mothers' Radiation Lab Fukushima

Air dose rate November 2025

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	HORIBA Radi	
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/11/4	☀	0.065	0.054
2025/11/5	☀	0.067	0.054
2025/11/6	☀	0.064	0.057
2025/11/7	☀	0.061	0.055
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/11/10	☀	0.068	0.055
2025/11/11	☀	0.064	0.056
2025/11/12	☀	0.061	0.054
2025/11/13	☁	0.062	0.052
2025/11/14	☀	0.063	0.057
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/11/17	☀	0.057	0.051
2025/11/18	☀	0.067	0.055
2025/11/19	☀	0.062	0.054
2025/11/20	☀	0.057	0.053
2025/11/21	☀	0.057	0.051
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/11/25	☁/☂	0.064	0.053
2025/11/26	☁	0.066	0.061
2025/11/27	☁	0.067	0.057
2025/11/28	☀	0.057	0.052
Measuring Date	Weather	Near the surface of the ground	1m above the ground (μSv/h)