Radiation Measurement Results of 159 Items in May

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	
Spring onion	Aizu,Minamiaizu, Fukushima	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.5 Bq/kg raw
Japanese white radish(pulp)	Iwaki City	May-22	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
Japanese white radish(leaves)	Iwaki City	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.5 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.0 Bq/kg raw
Japanese white radish(pulp)	Kori,Date, Fukushima	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.0 Bq/kg raw
Turnip (pulp)	Iwaki City	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.8 Bq/kg raw
Turnip (leaves)	Iwaki City	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.9 Bq/kg raw
sunny lettuce	Yanagawa,Date, Fukushima	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.7 Bq/kg raw
Japanese mustard spinach	Iwaki City	May-22	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
Green onion	Iwaki City	May-22	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	2.8 Bq/kg raw
Canola flower	Iwaki City	Apr-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.1 Bq/kg raw
Garland chrysanthemum	Onahama,Iwaki	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.5 Bq/kg raw
Japanese parsley	Matsukawa,Fukushima, Fukushima Pref.	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.1 Bq/kg raw
Norabouna	Kori,Date, Fukushima	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.3 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	3.1 Bq/kg raw
Kukitachina	Funehiki, Tamura,Fukushima	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.4 Bq/kg raw
Kaburena	Matsukawa,Fukushima, Fukushima Pref.	May-20	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
Burdock	Fukushima Pref.	Apr-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.9 Bq/kg raw
Yacon	Tenei,Iwase, Fukushima	Apr-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.8 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.6 Bq/kg raw

※"—" 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	
Strawberry	Kori,Date, Fukushima.	May-22	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	1.0 Bq/kg raw
Bamboo shoot (raw)	Yoshima,Iwaki	May-22	Cs137	6.4 Bq/kg raw	± 1.9	Bq/kg raw	6.4	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.0 Bq/kg raw
Bamboo shoot (raw)	Watanabe, Iwaki	May-22	Cs137	3.9 Bq/kg raw	± 1.5	Bq/kg raw	3.9	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.9 Bq/kg raw
Bamboo shoot (boiled)	Onahamashimokajiro, Iwaki	May-22	Cs137	3.5 Bq/kg raw	± 1.2	Bq/kg raw	3.5	Cs137	1.5 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.5 Bq/kg raw
Bamboo shoot (raw)	Shimogawa, Izumi,Iwaki	May-22	Cs137	36.7 Bq/kg raw	± 7.3	Bq/kg raw	36.7	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.1 Bq/kg raw
Bamboo shoot (raw)	Kashima,Iwaki	Apr-22	Cs137	102.0 Bq/kg raw	± 20.0	Bq/kg raw	102.0	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.0 Bq/kg raw
Bamboo shoot (raw)	Shimogawa, Izumi,Iwaki	May-22	Cs137	10.5 Bq/kg raw	± 2.5	Bq/kg raw	10.5	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.5 Bq/kg raw
Bamboo shoot (raw)	Miharu,Tamura, Fukushima	May-22	Cs137	4.2 Bq/kg raw	± 1.7	Bq/kg raw	4.2	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.2 Bq/kg raw
Bamboo shoot (raw)	Nishida,Koriyama, Fukushima	May-22	Cs137	4.3 Bq/kg raw	± 1.5	Bq/kg raw	4.3	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.8 Bq/kg raw
Bamboo shoot (raw)	Tamakawa,Ishikawa, Fukushima	Apr-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	3.3 Bq/kg raw
Bamboo shoot (raw)	Wada,Motomiya, Fukushima	May-22	Cs137	16.9 Bq/kg raw	± 3.6	Bq/kg raw	16.9	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	3.0 Bq/kg raw
Bamboo shoot (raw)	Oume,Tokyo	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	3.4 Bq/kg raw
Bamboo shoot (raw)	Hidaka,Saitama	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.5 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.3 Bq/kg raw
Bamboo shoot (raw)	Tokigawa, Saitama	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.1 Bq/kg raw
Warabi (pickled in soy sauce)	Tabito,Iwaki	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.8 Bq/kg raw
Warabi(wild)	Otama,Adachi, Fukushima	May-22	Cs137	3.7 Bq/kg raw	± 2.2	Bq/kg raw	3.7	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.8 Bq/kg raw
Warabi	Takine,Tamura, Fukushima	May-22	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	1.1 Bq/kg raw
Warabi	Tamura, Fukushima	May-22	Cs137	4.2 Bq/kg raw	± 2.2	Bq/kg raw	4.2	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.7 Bq/kg raw
Aralia sprout	Iwaki City	Apr-22	Cs137	29.2 Bq/kg raw	± 5.5	Bq/kg raw	29.2	Cs137	4.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	3.7 Bq/kg raw
Butterbur (cultivation)	Kori,Date, Fukushima.	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.6 Bq/kg raw
Butterbur (wild)	Otama,Adachi, Fukushima	May-22	Cs137	6.8 Bq/kg raw	± 2.6	Bq/kg raw	6.8	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.8 Bq/kg raw
Butterbur	Motomiya, Fukushima	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.3 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.9 Bq/kg raw
Butterbur	Onahamakannonsaku, Iwaki	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.5 Bq/kg raw
Udo	Matsukawa,Fukushima, Fukushima Pref.	May-22	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.9 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.5 Bq/kg raw

※"—" 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		
Udo (cultivation)	Otama,Adachi, Fukushima	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.5	Bq/kg raw
Udo	Shimogo,Minamiaizu, Fukushima	May-22	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
Koshiabura	Tabito,Iwaki	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.3	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.7	Bq/kg raw
Ostrich fern	Kawauchi,Futaba, Fukushima	Apr-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.9	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	4.0	Bq/kg raw
Hosta	Miharu,Tamura, Fukushima	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.7	Bq/kg raw
Hosta	Shimogo,Minamiaizu, Fukushima	May-22	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	2.8	Bq/kg raw
Uwabamiso	Ogoe,Tamura, Fukushima	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.2	Bq/kg raw
Myogatake	Funehiki, Tamura,Fukushima	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.8	Bq/kg raw
Freeze-dried tofu	Fukushima, Fukushima Pref.	Apr-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.5	Bq/kg raw
Konjac	Matsukawa,Fukushima, Fukushima Pref.	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.6	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.4	Bq/kg raw
Soy pulp	Tamura, Fukushima	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.8	Bq/kg raw
Konjac powder	Fukushima Pref.	May-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.1	Bq/kg raw
Sake lees	Nagai,Yamagata	Apr-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.9	Bq/kg raw
Soil	Tairamanome, Iwaki	Mar-22	Cs137	107.0	Bq/kg dry	±	11.1	Bq/kg dry	110.0	Cs137	0.7	Bq/kg dry
			Cs134	3.0	Bq/kg dry	±	0.4	Bq/kg dry		Cs134	0.7	Bq/kg dry
Sea sand (surface)	Usuiso Beach① Fukushima Pref.	Apr-22	Cs137	3.7	Bq/kg dry	±	0.5	Bq/kg dry	3.7	Cs137	0.7	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	0.6	Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	4.9	Bq/kg dry	±	0.7	Bq/kg dry	4.9	Cs137	1.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.1	Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	—	Bq/kg dry	±	—	Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.2	Bq/kg dry
Sea sand (surface)	Usuiso Beach② Fukushima Pref.	Apr-22	Cs137	3.2	Bq/kg dry	±	0.5	Bq/kg dry	3.2	Cs137	1.0	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.1	Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	4.0	Bq/kg dry	±	0.6	Bq/kg dry	4.0	Cs137	1.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.2	Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	3.3	Bq/kg dry	±	0.5	Bq/kg dry	3.3	Cs137	0.7	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	0.7	Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	10.3	Bq/kg dry	±	1.3	Bq/kg dry	10.3	Cs137	1.2	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.5	Bq/kg dry
Sea sand (surface)	Usuiso Beach③ Fukushima Pref.	Apr-22	Cs137	—	Bq/kg dry	±	—	Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.9	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	0.8	Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	7.0	Bq/kg dry	±	0.8	Bq/kg dry	7.0	Cs137	0.6	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	0.7	Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	10.7	Bq/kg dry	±	1.4	Bq/kg dry	10.7	Cs137	1.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.4	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

(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	
Sea sand (50cm)	Usuiso Beach③ Fukushima Pref.	Apr-22	Cs137	15.7 Bq/kg dry	± 1.9 Bq/kg dry	15.7	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.5 Bq/kg dry
Sea sand (surface)	Usuiso Beach④ Fukushima Pref.	Apr-22	Cs137	5.0 Bq/kg dry	± 0.8 Bq/kg dry	5.0	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	5.9 Bq/kg dry	± 0.8 Bq/kg dry	5.9	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	6.7 Bq/kg dry	± 0.9 Bq/kg dry	6.7	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	12.9 Bq/kg dry	± 1.4 Bq/kg dry	12.9	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (surface)	Usuiso Beach⑤ Fukushima Pref.	Apr-22	Cs137	4.1 Bq/kg dry	± 0.6 Bq/kg dry	4.1	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	7.7 Bq/kg dry	± 0.9 Bq/kg dry	7.7	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	7.8 Bq/kg dry	± 0.9 Bq/kg dry	7.8	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	14.7 Bq/kg dry	± 1.7 Bq/kg dry	15.4	Cs137	0.5 Bq/kg dry
			Cs134	0.7 Bq/kg dry	± 0.2 Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (surface)	Usuiso Beach⑥ Fukushima Pref.	Apr-22	Cs137	5.0 Bq/kg dry	± 0.7 Bq/kg dry	5.0	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.9 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.8 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	4.1 Bq/kg dry	± 0.5 Bq/kg dry	4.1	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	4.7 Bq/kg dry	± 0.7 Bq/kg dry	4.7	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry
Sea sand (surface)	Nakoso Beach① Fukushima Pref.	Apr-22	Cs137	20.9 Bq/kg dry	± 2.5 Bq/kg dry	20.9	Cs137	1.5 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.4 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	16.2 Bq/kg dry	± 2.1 Bq/kg dry	16.2	Cs137	1.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	4.5 Bq/kg dry	± 0.6 Bq/kg dry	4.5	Cs137	0.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (surface)	Nakoso Beach② Fukushima Pref.	Apr-22	Cs137	8.5 Bq/kg dry	± 1.2 Bq/kg dry	8.5	Cs137	1.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.3 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	14.8 Bq/kg dry	± 1.8 Bq/kg dry	14.8	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.8 Bq/kg dry
Sea sand (surface)	Nakoso Beach③ Fukushima Pref.	Apr-22	Cs137	2.8 Bq/kg dry	± 0.4 Bq/kg dry	2.8	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	2.8 Bq/kg dry	± 0.6 Bq/kg dry	2.8	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	2.6 Bq/kg dry	± 0.5 Bq/kg dry	2.6	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	2.4 Bq/kg dry	± 0.4 Bq/kg dry	2.4	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (surface)	Nakoso Beach④ Fukushima Pref.	Apr-22	Cs137	2.5 Bq/kg dry	± 0.3 Bq/kg dry	2.5	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	14.0 Bq/kg dry	± 1.6 Bq/kg dry	14.0	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 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.

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	
Sea sand (30cm)	Nakoso Beach④ Fukushima Pref.	Apr-22	Cs137	12.3 Bq/kg dry	± 1.4 Bq/kg dry	12.3	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.6 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	19.9 Bq/kg dry	± 2.4 Bq/kg dry	19.9	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (surface)	Nakoso Beach⑤ Fukushima Pref.	Apr-22	Cs137	3.3 Bq/kg dry	± 0.5 Bq/kg dry	3.3	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.0 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	50.5 Bq/kg dry	± 5.8 Bq/kg dry	50.5	Cs137	2.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.7 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	133.0 Bq/kg dry	± 13.7 Bq/kg dry	136.9	Cs137	0.6 Bq/kg dry
			Cs134	3.9 Bq/kg dry	± 0.5 Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.0 Bq/kg dry
Sea sand (surface)	Nakoso Beach⑥ Fukushima Pref.	Apr-22	Cs137	3.7 Bq/kg dry	± 0.6 Bq/kg dry	3.7	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	28.2 Bq/kg dry	± 3.0 Bq/kg dry	29.0	Cs137	0.6 Bq/kg dry
			Cs134	0.8 Bq/kg dry	± 0.2 Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	62.3 Bq/kg dry	± 6.6 Bq/kg dry	64.0	Cs137	0.6 Bq/kg dry
			Cs134	1.7 Bq/kg dry	± 0.3 Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	608.0 Bq/kg dry	± 62.5 Bq/kg dry	624.1	Cs137	1.7 Bq/kg dry
			Cs134	16.1 Bq/kg dry	± 1.9 Bq/kg dry		Cs134	1.5 Bq/kg dry
Sea sand (surface)	Nakoso Beach⑦ Fukushima Pref.	Apr-22	Cs137	4.5 Bq/kg dry	± 0.7 Bq/kg dry	4.5	Cs137	0.6 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry
Sea sand (15cm)		Apr-22	Cs137	2.6 Bq/kg dry	± 0.5 Bq/kg dry	2.6	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (30cm)		Apr-22	Cs137	2.8 Bq/kg dry	± 0.5 Bq/kg dry	2.8	Cs137	1.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.1 Bq/kg dry
Sea sand (50cm)		Apr-22	Cs137	3.8 Bq/kg dry	± 0.6 Bq/kg dry	3.8	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.2 Bq/kg dry

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

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

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	Nagano Pref.	Oct-21	OR	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.04 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.05 Bq/kg raw
Cabbage	Gotenba, Shizuoka	May-22	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	0.07 Bq/kg raw
Bamboo shoot (raw)	Izumi, Iwaki	May-22	CA	Cs137	17.9 Bq/kg raw	± 0.1	Bq/kg raw	18.49	Cs137	0.07 Bq/kg raw
				Cs134	0.59 Bq/kg raw	± 0.02	Bq/kg raw		Cs134	0.06 Bq/kg raw
Bamboo shoot (raw)	Soeno, Iwaki	May-22	OR	Cs137	1.7 Bq/kg raw	± 0.02	Bq/kg raw	1.7	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.09 Bq/kg raw
Bamboo shoot (boiled)	Jobanfujiwara, Iwaki	May-22	CA	Cs137	0.26 Bq/kg raw	± 0.0	Bq/kg raw	0.26	Cs137	0.07 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.07 Bq/kg raw
Bamboo shoot (boiled)	Hanawa, Higashishirakawa, Fukushima	May-22	CA	Cs137	3.0 Bq/kg raw	± 0.04	Bq/kg raw	3.09	Cs137	0.04 Bq/kg raw
				Cs134	0.09 Bq/kg raw	± 0.02	Bq/kg raw		Cs134	0.04 Bq/kg raw
Aralia sprout (wild)	Naraha, Futaba, Fukushima	Apr-22	CA	Cs137	169.5 Bq/kg raw	± 4.0	Bq/kg raw	175.8	Cs137	2.5 Bq/kg raw
				Cs134	6.3 Bq/kg raw	± 1.1	Bq/kg raw		Cs134	2.8 Bq/kg raw
Butterbur sprout (wild)	Kawauchi, Futaba, Fukushima	Apr-22	CA	Cs137	5.8 Bq/kg raw	± 0.4	Bq/kg raw	5.8	Cs137	0.7 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.7 Bq/kg raw
Koshiabura (wild)	Niwasaka, Fukushima, Fukushima Pref.	May-22	OR	Cs137	96.0 Bq/kg raw	± 12.0	Bq/kg raw	96.0	Cs137	1.4 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.3 Bq/kg raw
Koshiabura (wild)	Itaya, Yonezawa, Yamagata	May-22	OR	Cs137	211.7 Bq/kg raw	± 18.3	Bq/kg raw	211.7	Cs137	12.8 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	15.0 Bq/kg raw
Ostrich fern (wild)	Niwasaka, Fukushima, Fukushima Pref.	Apr-22	CA	Cs137	7.9 Bq/kg raw	± 1.0	Bq/kg raw	7.9	Cs137	1.4 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.6 Bq/kg raw
Butterbur (boiled)	Chuodaitakaku, Iwaki	May-22	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	0.09 Bq/kg raw
Itadori (young shoots)	Itaya, Yonezawa, Yamagata	May-22	OR	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.9 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	4.3 Bq/kg raw
Shitake mushroom log grown(dried)	Yamatsuri, Higashishirakawa, Fukushima	Mar-22	CA	Cs137	69.2 Bq/kg raw	± 5.4	Bq/kg raw	69.2	Cs137	7.3 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	6.7 Bq/kg raw
Cuttlefish	Hisanohama Port/ Iwaki	Apr-22	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
Mackerel	Onahama Port/ Iwaki	Dec-21	CA	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Wakame seaweed	Yotsukura Port/ Iwaki	May-22	OR	Cs137	0.5 Bq/kg raw	± 0.1	Bq/kg raw	0.5	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Nibe croaker	Hisanohama Port/ Iwaki	Apr-22	OR	Cs137	0.5 Bq/kg raw	± 0.1	Bq/kg raw	0.5	Cs137	0.2 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.2 Bq/kg raw
Soil①	Nihonmatsu, Fukushima	May-22	CA	Cs137	23780.0 Bq/kg dry	± 170.0	Bq/kg dry	24497.2	Cs137	30.3 Bq/kg dry
				Cs134	717.2 Bq/kg dry	± 22.6	Bq/kg dry		Cs134	39.1 Bq/kg dry
Soil②	Nihonmatsu, Fukushima	May-22	CA	Cs137	17133.0 Bq/kg dry	± 139.0	Bq/kg dry	17641.1	Cs137	26.1 Bq/kg dry
				Cs134	508.1 Bq/kg dry	± 18.3	Bq/kg dry		Cs134	29.9 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

(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		
Soil③	Nihonmatsu, Fukushima	May-22	CA	Cs137	74.7	Bq/kg dry	±	5.5	Bq/kg dry	74.7	Cs137	4.0	Bq/kg dry
				Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	4.5	Bq/kg dry
Tap water	Haramachi, Minamisoma, Fukushima	Apr-22	OR	Cs137	0.0012	Bq/L	±	0.0009	Bq/L	0.0012	Cs137	0.0001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.0001	Bq/L
Tap water	Onahamahanabatake, Iwaki	Apr-22	OR	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.0001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.0001	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Apr-22	CA	Cs137	0.003	Bq/L	±	0.0006	Bq/L	0.003	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Apr-22	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 (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Apr-22	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 (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Apr-22	CA	Cs137	0.004	Bq/L	±	0.0008	Bq/L	0.004	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point A	May-22	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 (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point A	May-22	OR	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 (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	May-22	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 (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point B	May-22	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 (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	May-22	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
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point C	May-22	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 (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point D	May-22	OR	Cs137	0.006	Bq/L	±	0.0005	Bq/L	0.006	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point D	May-22	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 (surface)	Tomioka Port/ Fukushima Pref.	May-22	OR	Cs137	0.011	Bq/L	±	0.0006	Bq/L	0.011	Cs137	0.0009	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Ash (wood)	Nagano Pref.	Apr-22	OR	Cs137	1.5	Bq/kg raw	±	0.4	Bq/kg raw	1.5	Cs137	0.9	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.8	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

★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 Organically bound 3H Harf-life 12.3 years Free-water 3H 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	
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Feb-22	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.12	Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Feb-22	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.12	Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Feb-22	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.13	Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Feb-22	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.13	Bq/L
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Feb-22	T (Free)	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.12	Bq/L
Tap water	Fukushima, Fukushima Pref.	Mar-22	T (Free)	0.31	Bq/L	±	0.13	Bq/L	0.13	Bq/L
Tap water	Joban, Iwaki	Mar-22	T (Free)	0.14	Bq/L	±	0.13	Bq/L	0.13	Bq/L
Tap water	Onahama, Iwaki	Apr-22	T (Free)	0.24	Bq/L	±	0.12	Bq/L	0.12	Bq/L
Japanese sardine	Aichi Pref.	Jul-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.12	Bq/kg dry
Horse mackerel	Maizuru, Kyoto	Jul-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.12	Bq/kg dry
Mackerel	Maizuru, Kyoto	Jul-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.12	Bq/kg dry
Greenling (head,bone)	Off the coast of Fukushima Nuclear Power Plant1	Feb-22	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.22	Bq/kg dry
Soil	Hobara, Date, Fukushima	Mar-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	2.01	Bq/kg dry
Soil	Izumigaoka Daiichi Park 3, Izumigaoka, Iwaki	Mar-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.80	Bq/kg dry
Soil	Wafu Park 1, Izumigaoka, Iwaki	Mar-21	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.68	Bq/kg dry
Soil	Off the coast of Fukushima Nuclear Power Plant1	Feb-22	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.22	Bq/kg dry
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Feb-22	Sr90	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.0008	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Apr-22	Sr90	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.0009	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Apr-22	Sr90	Under Minimum Limit of Detection	Bq/L	±	—	Bq/L	0.0008	Bq/L

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

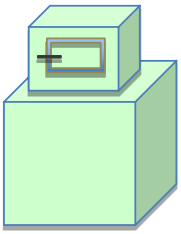
But it does not necessary mean 0(zero)Bq/kg.

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	
Sweet potato	Naraha,Futaba, Fukushima	Feb-22	OR	Cs137	5.1 Bq/kg raw	± 0.1 Bq/kg raw	5.3	Cs137	Bq/kg raw
				Cs134	0.2 Bq/kg raw	± 0.06 Bq/kg raw		Cs134	Bq/kg raw
Green onion	Fukushima, Fukushima Pref.	Feb-22	OR	Cs137	1.1 Bq/kg raw	± 0.08 Bq/kg raw	1.1	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Kukitachina	Funehiki, Tamura,Fukushima	Feb-22	CA	Cs137	0.85 Bq/kg raw	± 0.08 Bq/kg raw	0.85	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Tsubomina	Nihonmatsu, Fukushima	Mar-22	OR	Cs137	5.6 Bq/kg raw	± 0.3 Bq/kg raw	5.6	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Japanese parsley	Miharu,Tamura, Fukushima	Jan-22	CA	Cs137	0.76 Bq/kg raw	± 0.1 Bq/kg raw	0.76	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Butterbur sprout	Iwaki City	Feb-22	OR	Cs137	1.0 Bq/kg raw	± 0.09 Bq/kg raw	1.12	Cs137	Bq/kg raw
				Cs134	0.12 Bq/kg raw	± 0.05 Bq/kg raw		Cs134	Bq/kg raw
Soybeans	Kori,Date, Fukushima.	Nov-21	OR	Cs137	1.1 Bq/kg raw	± 0.2 Bq/kg raw	1.1	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Green soybean	Niwasaka,Fukushima, Fukushima Pref.	Feb-22	OR	Cs137	6.3 Bq/kg raw	± 0.5 Bq/kg raw	6.3	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Kiwi fruit	Fukushima, Fukushima Pref.	Feb-22	CA	Cs137	2.2 Bq/kg raw	± 0.05 Bq/kg raw	2.2	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Kiwi fruit	Mihota,Koriyama, Fukushima	Mar-22	OR	Cs137	0.71 Bq/kg raw	± 0.09 Bq/kg raw	0.71	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Shitake mushroom log grown	Nakata,Koriyama, Fukushima	Mar-22	CA	Cs137	10.3 Bq/kg raw	± 0.51 Bq/kg raw	10.51	Cs137	Bq/kg raw
				Cs134	0.21 Bq/kg raw	± 0.03 Bq/kg raw		Cs134	Bq/kg raw
Shitake mushroom grown in bacteria-bed	Tamura, Fukushima	Feb-22	CA	Cs137	1.4 Bq/kg raw	± 0.06 Bq/kg raw	1.4	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Shitake mushroom grown in bacteria-bed	Funehiki, Tamura,Fukushima	Jan-22	CA	Cs137	0.39 Bq/kg raw	± 0.03 Bq/kg raw	0.39	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Shitake mushroom grown in bacteria-bed	Shinchi,Soma, Fukushima	Jan-22	CA	Cs137	2.8 Bq/kg raw	± 0.1 Bq/kg raw	2.8	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Nameko mushroom grown in bacteria-bed	Otsuki,Koriyama, Fukushima	Jan-22	CA	Cs137	0.64 Bq/kg raw	± 0.04 Bq/kg raw	0.64	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Buckwheat flour	Kitakata, Fukushima	Jan-22	OR	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	Bq/kg raw

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Air dose rate　May 2022

Measuring Place	Measuring Instrument		Feature
Yokocho Park, Onahama, Iwaki, Fukushima	CsI Scintillation survey meter	NaI Scintillation survey meter	Measuring air (space) radiation dose and radioactive surface contamination of human body and other things.
	⑧HITACHI ALOKA TCS-1172	⑦HORIBA Radi PA-1100	
			

	測定器	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)	
2022/5/2	☂/☀	0.06	0.065	0.05	0.056
2022/5/6	☀	0.06	0.068	0.07	0.071
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/5/9	☂	0.06	0.065	0.06	0.061
2022/5/10	☀	0.06	0.067	0.06	0.068
2022/5/11	☀	0.06	0.066	0.05	0.063
2022/5/12	☁	0.06	0.067	0.05	0.063
2022/5/13	☂	0.06	0.063	0.06	0.058
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/5/16	☂	0.08	0.072	0.06	0.063
2022/5/17	☁	0.07	0.061	0.05	0.063
2022/5/18	☀	0.07	0.072	0.06	0.059
2022/5/19	☀	0.07	0.061	0.05	0.059
2022/5/20	☁	0.07	0.063	0.06	0.063
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/5/23	☂/☁	0.06	0.064	0.06	0.062
2022/5/24	☀	0.06	0.061	0.05	0.057
2022/5/25	☀	0.07	0.068	0.05	0.06
2022/5/26	☁	0.06	0.063	0.06	0.064
2022/5/27	☂	0.05	0.064	0.05	0.061
Measuring Date	Weather	Near the surface of the ground(μSv/h)		1m above the ground(μSv/h)	
2022/5/30	☀	0.06	0.063	0.06	0.06
2022/5/31	☁	0.06	0.068	0.06	0.062

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