Radiation Measurement Results of 166 Items in October

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
Germanium Semiconductor detector			
ORTEC GEM30-70		・Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." ・Relative efficiency 35％	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: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	Namie,Futaba, Fukushima	Aug-20	Cs137	3.9 Bq/kg raw	± 1.6 Bq/kg raw	3.9	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.1 Bq/kg raw
Potato	Iwaki city	Sep-20	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	1.7 Bq/kg raw
Taro	Soma,Fukushima	Oct-20	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
Sweet potato	Tairashimotakaku, Iwaki	Sep-20	Cs137	2.3 Bq/kg raw	± 0.8 Bq/kg raw	2.3	Cs137	1.1 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.0 Bq/kg raw
Sweet potato	Yotsukura, Iwaki	Sep-20	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
Onion	Namie,Futaba, Fukushima	Oct-20	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	2.0 Bq/kg raw
Chinese cabbage	Fukushima Pref.	Sep-20	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	1.5 Bq/kg raw
Cucumber	Tairashimokabeya, Iwaki	Oct-20	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
Radish(leaves)	Soma,Fukushima	Oct-20	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	3.3 Bq/kg raw
Radish(leaves)	Iwaki city	Oct-20	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
Malabar spinach	Iwaki city	Oct-20	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
Garland chrysanthemum	Shirakawa, Fukushima	Oct-20	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
Myoga	Kitakata, Fukushima	Sep-20	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	2.0 Bq/kg raw
Okra	Gunma Pref.	Oct-20	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	7.1 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	5.6 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	
Green pepper	Minamisoma, Fukushima	Oct-20	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	2.2 Bq/kg raw
Sweet Chili pepper	Iwaki city	Oct-20	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
Perilla (seed)	Minamisoma, Fukushima	Oct-20	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	1.7 Bq/kg raw
Parsley	Nagano Pref.	Oct-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.7 Bq/kg raw
Butternut squash	Namie,Futaba, Fukushima	Oct-20	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
Dried stems of taro	Fukushima Pref.	Oct-20	Cs137	10.1 Bq/kg raw	±	5.3 Bq/kg raw	10.1	Cs137	5.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.3 Bq/kg raw
Dried sweet potato	Ibaraki Pref.	Oct-20	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	1.6 Bq/kg raw
Mandarin orange(pulp)	Tairashimokabeya, Iwaki	Oct-20	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
Mandarin orange(peel)	Tairashimokabeya, Iwaki	Oct-20	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
Mandarin orange(pulp)	Nagasaki,Iwaki	Oct-20	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	1.7 Bq/kg raw
Mandarin orange(peel)	Nagasaki,Iwaki	Oct-20	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
Persimmon	Kashima-ku, Minamisoma, Fukushima	Oct-20	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	1.7 Bq/kg raw
Astringent persimmon	Kashima-ku, Minamisoma, Fukushima	Oct-20	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	1.7 Bq/kg raw
Persimmon	Tairashimokabeya, Iwaki	Oct-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.0 Bq/kg raw
Fig	Inawashiro,Yama, Fukushima	Oct-20	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	1.6 Bq/kg raw
Fig	Fukushima Pref.	Oct-20	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
Berry Mix	Tairashimokabeya, Iwaki	Aug-20	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
Vaccinium oldhamii	Namie,Futaba, Fukushima	Oct-20	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
Chestnut	Kanari,Onahama Fukushima	Oct-20	Cs137	4.8 Bq/kg raw	±	2.0 Bq/kg raw	4.8	Cs137	1.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.5 Bq/kg raw
Whitebait	Futaba, Fukushima	Oct-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.0 Bq/kg raw
Char	Kawauchi,Futaba, Fukushima	Sep-20	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
Sea bream	Yamagata Pref.	Sep-20	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.1 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.0 Bq/kg raw
Sweetfish	Aichi Pref.	Sep-20	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
Kelp(Raw)	Iwate Pref.	Sep-20	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

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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	
Prune	Aomori Pref.	Oct-20	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
Ostrich fern sprout	Fukushima Pref.	Oct-20	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.1 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.0 Bq/kg raw
Shingled hedgehog mushroom	Sashio,Miwa, Fukushima	Oct-20	Cs137	129.3 Bq/kg raw	± 12.2	Bq/kg raw	136.0	Cs137	1.5 Bq/kg raw
			Cs134	6.7 Bq/kg raw	± 1.8	Bq/kg raw		Cs134	1.4 Bq/kg raw
Shitake mushroom grown in bacteria-bed(dried)	Odaka,Minamisoma, Fukushima	Sep-20	Cs137	15.1 Bq/kg raw	± 5.5	Bq/kg raw	15.1	Cs137	6.6 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	5.2 Bq/kg raw
Shitake mushroom grown in log(dried)	Kyusyu (production)	Sep-20	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.5 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	4.3 Bq/kg raw
Mushroom Mix	Fukushima Pref.	Oct-20	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	1.5 Bq/kg raw
Boiled bracken	Russia (production)	2020	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
Tea(leaves)	Shizuoka Pref.	2020	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
Milk	Tairashimokabeya, Iwaki	Oct-20	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	1.7 Bq/kg raw
Lactic acid bacteria beverage	Tokyo	Oct-20	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	1.5 Bq/kg raw
Honey	Namie,Futaba, Fukushima	Sep-20	Cs137	3.1 Bq/kg raw	± 1.4	Bq/kg raw	3.1	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	2.9 Bq/kg raw
Wild sesame (powder)	Namie,Futaba, Fukushima	Sep-20	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
Wood ear mushroom(dried)	Minamisoma, Fukushima	Sep-20	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
Flour	Japan (production)	Sep-20	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
Fried tofu	Funahiki,Tamura, Fukushima	Oct-20	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	2.4 Bq/kg raw
Rice cracker	Namie,Futaba, Fukushima	Sep-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	2.4 Bq/kg raw
Rose	Izumi,Iwaki	Sep-20	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.0 Bq/kg raw
Acorn	Onahama-shimokajiro, Iwaki	Oct-20	Cs137	8.6 Bq/kg raw	± 2.0	Bq/kg raw	8.6	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.5 Bq/kg raw
Acorn	Miyamae,Kawasaki ,Kanagawa	Oct-20	Cs137	5.9 Bq/kg raw	± 1.7	Bq/kg raw	5.9	Cs137	2.0 Bq/kg raw
			Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	1.6 Bq/kg raw
Ash(Wood-burning stove)	Kawauchi,Futaba, Fukushima	Oct-20	Cs137	3420.0 Bq/kg raw	± 374.0	Bq/kg raw	3592.0	Cs137	9.1 Bq/kg raw
			Cs134	172.0 Bq/kg raw	± 30.0	Bq/kg raw		Cs134	10.5 Bq/kg raw
Soil① Home garden	Suetsugi, Hisanohama,Iwaki	Oct-20	Cs137	92.3 Bq/kg dry	± 11.3	Bq/kg dry	97.1	Cs137	2.3 Bq/kg dry
			Cs134	4.8 Bq/kg dry	± 1.9	Bq/kg dry		Cs134	3.6 Bq/kg dry
Soil② Home garden	Suetsugi, Hisanohama,Iwaki	Oct-20	Cs137	248.0 Bq/kg dry	± 27.8	Bq/kg dry	260.2	Cs137	2.5 Bq/kg dry
			Cs134	12.2 Bq/kg dry	± 2.8	Bq/kg dry		Cs134	3.1 Bq/kg dry
Soil③ Home garden	Suetsugi, Hisanohama,Iwaki	Oct-20	Cs137	199.0 Bq/kg dry	± 22.4	Bq/kg dry	199.0	Cs137	7.4 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	6.5 Bq/kg dry
Soil④ Home garden	Suetsugi, Hisanohama,Iwaki	Oct-20	Cs137	103.0 Bq/kg dry	± 12.3	Bq/kg dry	103.0	Cs137	4.4 Bq/kg dry
			Cs134	— Bq/kg dry	± —	Bq/kg dry		Cs134	5.2 Bq/kg dry

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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	
Soil⑤ Home garden	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	57.1 Bq/kg dry	± 6.8 Bq/kg dry	57.1	Cs137	2.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.6 Bq/kg dry
Soil⑥ Home garden	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	127.0 Bq/kg dry	± 15.9 Bq/kg dry	137.5	Cs137	2.4 Bq/kg dry
			Cs134	10.5 Bq/kg dry	± 3.5 Bq/kg dry		Cs134	3.1 Bq/kg dry
Soil① Around Home	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	865.0 Bq/kg dry	± 94.0 Bq/kg dry	916.0	Cs137	5.4 Bq/kg dry
			Cs134	51.0 Bq/kg dry	± 7.3 Bq/kg dry		Cs134	5.7 Bq/kg dry
Soil② Around Home	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	922.0 Bq/kg dry	± 101.0 Bq/kg dry	969.8	Cs137	7.8 Bq/kg dry
			Cs134	47.8 Bq/kg dry	± 8.2 Bq/kg dry		Cs134	10.4 Bq/kg dry
Soil③ Around Home	Suetsugi, Hisanohama, Iwaki	Aug-20	Cs137	2300.0 Bq/kg dry	± 258.0 Bq/kg dry	2412.0	Cs137	4.5 Bq/kg dry
			Cs134	112.0 Bq/kg dry	± 22.1 Bq/kg dry		Cs134	5.4 Bq/kg dry
Soil④ Around Home	Suetsugi, Hisanohama, Iwaki	Aug-20	Cs137	1580.0 Bq/kg dry	± 173.0 Bq/kg dry	1656.7	Cs137	3.2 Bq/kg dry
			Cs134	76.7 Bq/kg dry	± 12.5 Bq/kg dry		Cs134	3.6 Bq/kg dry
Soil	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	1360.0 Bq/kg dry	± 149.0 Bq/kg dry	1442.7	Cs137	11.5 Bq/kg dry
			Cs134	82.7 Bq/kg dry	± 12.1 Bq/kg dry		Cs134	13.8 Bq/kg dry
Soil① Parking lot	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	5850.0 Bq/kg dry	± 1170.0 Bq/kg dry	6147.0	Cs137	11.1 Bq/kg dry
			Cs134	297.0 Bq/kg dry	± 59.0 Bq/kg dry		Cs134	8.5 Bq/kg dry
Soil② Parking lot	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	3720.0 Bq/kg dry	± 401.0 Bq/kg dry	3938.0	Cs137	11.7 Bq/kg dry
			Cs134	218.0 Bq/kg dry	± 29.2 Bq/kg dry		Cs134	12.2 Bq/kg dry
Soil③ Parking lot	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	646.0 Bq/kg dry	± 69.9 Bq/kg dry	684.4	Cs137	5.3 Bq/kg dry
			Cs134	38.4 Bq/kg dry	± 5.5 Bq/kg dry		Cs134	6.8 Bq/kg dry
Soil① Field	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	667.0 Bq/kg dry	± 75.8 Bq/kg dry	706.6	Cs137	6.0 Bq/kg dry
			Cs134	39.6 Bq/kg dry	± 8.3 Bq/kg dry		Cs134	8.2 Bq/kg dry
Soil② Field	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	678.0 Bq/kg dry	± 74.0 Bq/kg dry	710.9	Cs137	5.8 Bq/kg dry
			Cs134	32.9 Bq/kg dry	± 5.8 Bq/kg dry		Cs134	7.2 Bq/kg dry
Soil③ Field	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	451.0 Bq/kg dry	± 49.6 Bq/kg dry	470.1	Cs137	5.5 Bq/kg dry
			Cs134	19.1 Bq/kg dry	± 4.0 Bq/kg dry		Cs134	7.1 Bq/kg dry
Soil④ Field	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	637.0 Bq/kg dry	± 69.9 Bq/kg dry	669.3	Cs137	5.7 Bq/kg dry
			Cs134	32.3 Bq/kg dry	± 5.6 Bq/kg dry		Cs134	7.7 Bq/kg dry
Soil⑤ Field	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	728.0 Bq/kg dry	± 80.4 Bq/kg dry	773.3	Cs137	5.6 Bq/kg dry
			Cs134	45.3 Bq/kg dry	± 6.9 Bq/kg dry		Cs134	7.1 Bq/kg dry
Soil (Under the Pine tree)	Suetsugi, Hisanohama, Iwaki	Oct-20	Cs137	2490.0 Bq/kg dry	± 283.0 Bq/kg dry	2602.0	Cs137	19.5 Bq/kg dry
			Cs134	112.0 Bq/kg dry	± 20.2 Bq/kg dry		Cs134	19.0 Bq/kg dry
Soil	Satogaoka, Iwaki	Oct-20	Cs137	41.2 Bq/kg dry	± 4.8 Bq/kg dry	41.2	Cs137	1.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.6 Bq/kg dry
Soil①	Chuodaikashima, Iwaki	Oct-20	Cs137	575.0 Bq/kg dry	± 62.3 Bq/kg dry	604.1	Cs137	2.0 Bq/kg dry
			Cs134	29.1 Bq/kg dry	± 4.8 Bq/kg dry		Cs134	2.6 Bq/kg dry
Soil②	Chuodaikashima, Iwaki	Oct-20	Cs137	17.9 Bq/kg dry	± 2.4 Bq/kg dry	17.9	Cs137	2.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil	Chuodaikashima, Iwaki	Oct-20	Cs137	22.5 Bq/kg dry	± 3.2 Bq/kg dry	22.5	Cs137	4.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.8 Bq/kg dry
Soil	Chuodaikashima, Iwaki	Oct-20	Cs137	2.4 Bq/kg dry	± 0.6 Bq/kg dry	2.4	Cs137	1.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.0 Bq/kg dry
Soil	Chuodaikashima, Iwaki	Oct-20	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	4.0 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.0 Bq/kg dry
Soil(in the park) (Sandbox)	Taira, Iwaki	Oct-20	Cs137	147.0 Bq/kg dry	± 16.5 Bq/kg dry	154.4	Cs137	1.9 Bq/kg dry
			Cs134	7.4 Bq/kg dry	± 1.6 Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil(in the park) (under the Swing)	Taira, Iwaki	Oct-20	Cs137	19.1 Bq/kg dry	± 3.4 Bq/kg dry	19.1	Cs137	4.3 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.7 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	
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	1050.0 Bq/kg dry	± 114.0 Bq/kg dry	1113.0	Cs137	6.6 Bq/kg dry
			Cs134	63.0 Bq/kg dry	± 8.7 Bq/kg dry		Cs134	7.7 Bq/kg dry
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	369.0 Bq/kg dry	± 40.5 Bq/kg dry	390.4	Cs137	2.7 Bq/kg dry
			Cs134	21.4 Bq/kg dry	± 4.2 Bq/kg dry		Cs134	3.3 Bq/kg dry
Soil(in the park)under the Seesaw	Hayam2,Iwaki	Sep-20	Cs137	345.0 Bq/kg dry	± 37.9 Bq/kg dry	360.9	Cs137	4.6 Bq/kg dry
			Cs134	15.9 Bq/kg dry	± 3.2 Bq/kg dry		Cs134	6.1 Bq/kg dry
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	296.0 Bq/kg dry	± 35.3 Bq/kg dry	307.4	Cs137	5.6 Bq/kg dry
			Cs134	11.4 Bq/kg dry	± 4.0 Bq/kg dry		Cs134	8.0 Bq/kg dry
Soil(in the park)under the Jungl gym	Hayama2,Iwaki	Sep-20	Cs137	260.0 Bq/kg dry	± 28.9 Bq/kg dry	272.3	Cs137	5.1 Bq/kg dry
			Cs134	12.3 Bq/kg dry	± 2.6 Bq/kg dry		Cs134	6.9 Bq/kg dry
Soil (in the park) under the Monkey bar	Hayama2,Iwaki	Sep-20	Cs137	139.0 Bq/kg dry	± 97.6 Bq/kg dry	139.0	Cs137	4.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	6.9 Bq/kg dry
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	126.0 Bq/kg dry	± 14.4 Bq/kg dry	133.7	Cs137	4.2 Bq/kg dry
			Cs134	7.7 Bq/kg dry	± 1.7 Bq/kg dry		Cs134	5.1 Bq/kg dry
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	96.9 Bq/kg dry	± 10.6 Bq/kg dry	102.2	Cs137	1.9 Bq/kg dry
			Cs134	5.3 Bq/kg dry	± 1.0 Bq/kg dry		Cs134	3.0 Bq/kg dry
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	66.0 Bq/kg dry	± 8.1 Bq/kg dry	66.0	Cs137	4.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.5 Bq/kg dry
Soil (in the park)	Hayama2,Iwaki	Sep-20	Cs137	5.7 Bq/kg dry	± 1.3 Bq/kg dry	5.7	Cs137	3.4 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.0 Bq/kg dry
Soil (in the park)	Hayama1,Iwaki	Sep-20	Cs137	1560.0 Bq/kg dry	± 168.0 Bq/kg dry	1652.9	Cs137	7.1 Bq/kg dry
			Cs134	92.9 Bq/kg dry	± 12.6 Bq/kg dry		Cs134	7.8 Bq/kg dry
Soil (in the park)	Hayama1,Iwaki	Sep-20	Cs137	1180.0 Bq/kg dry	± 128.0 Bq/kg dry	1246.2	Cs137	7.6 Bq/kg dry
			Cs134	66.2 Bq/kg dry	± 9.6 Bq/kg dry		Cs134	8.3 Bq/kg dry
Soil (in the park)	Hayama1,Iwaki	Sep-20	Cs137	710.0 Bq/kg dry	± 72.3 Bq/kg dry	735.3	Cs137	3.4 Bq/kg dry
			Cs134	25.3 Bq/kg dry	± 3.5 Bq/kg dry		Cs134	4.5 Bq/kg dry
Soil (in the park)	Hayama1,Iwaki	Sep-20	Cs137	430.0 Bq/kg dry	± 48.5 Bq/kg dry	455.0	Cs137	4.7 Bq/kg dry
			Cs134	25.0 Bq/kg dry	± 5.5 Bq/kg dry		Cs134	5.5 Bq/kg dry
Soil (in the park)	Hayama1,Iwaki	Sep-20	Cs137	373.0 Bq/kg dry	± 42.9 Bq/kg dry	391.0	Cs137	5.1 Bq/kg dry
			Cs134	18.0 Bq/kg dry	± 4.8 Bq/kg dry		Cs134	5.9 Bq/kg dry
Soil (in the park)	Hayama1,Iwaki	Sep-20	Cs137	331.0 Bq/kg dry	± 36.8 Bq/kg dry	348.1	Cs137	5.3 Bq/kg dry
			Cs134	17.1 Bq/kg dry	± 3.4 Bq/kg dry		Cs134	6.4 Bq/kg dry
Soil (in the park) under the Horizontal bar	Hayama1,Iwaki	Sep-20	Cs137	130.0 Bq/kg dry	± 14.9 Bq/kg dry	137.7	Cs137	4.5 Bq/kg dry
			Cs134	7.7 Bq/kg dry	± 1.8 Bq/kg dry		Cs134	7.1 Bq/kg dry
Soil(in the park)under the Monkey bar	Hayama1,Iwaki	Sep-20	Cs137	19.8 Bq/kg dry	± 2.8 Bq/kg dry	19.8	Cs137	3.5 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.0 Bq/kg dry
Soil (in the park) under the Playground equipment	Hayama1,Iwaki	Sep-20	Cs137	8.7 Bq/kg dry	± 1.6 Bq/kg dry	8.7	Cs137	4.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	5.5 Bq/kg dry
Soil (in the park) under the Playground equipment	Hayama1,Iwaki	Sep-20	Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	4.1 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.0 Bq/kg dry
Soil (in the park)	Tamatsuyu5,Izumi, Iwaki	Oct-20	Cs137	562.0 Bq/kg dry	± 62.2 Bq/kg dry	597.5	Cs137	2.7 Bq/kg dry
			Cs134	35.5 Bq/kg dry	± 5.4 Bq/kg dry		Cs134	3.6 Bq/kg dry
Soil (in the park)	Tamatsuyu5,Izumi, Iwaki	Oct-20	Cs137	446.0 Bq/kg dry	± 51.4 Bq/kg dry	482.1	Cs137	6.8 Bq/kg dry
			Cs134	36.1 Bq/kg dry	± 7.6 Bq/kg dry		Cs134	8.2 Bq/kg dry
Soil (in the park) under the Horizontal bar	Tamatsuyu5,Izumi, Iwaki	Oct-20	Cs137	353.0 Bq/kg dry	± 39.1 Bq/kg dry	370.2	Cs137	5.7 Bq/kg dry
			Cs134	17.2 Bq/kg dry	± 3.6 Bq/kg dry		Cs134	8.3 Bq/kg dry
Soil (in the park)	Tamatsuyu5,Izumi, Iwaki	Oct-20	Cs137	308.0 Bq/kg dry	± 34.0 Bq/kg dry	322.9	Cs137	2.6 Bq/kg dry
			Cs134	14.9 Bq/kg dry	± 3.2 Bq/kg dry		Cs134	3.6 Bq/kg dry

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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	
Soil (in the park)	Tamatsuyu5, Izumi, Iwaki	Oct-20	Cs137	157.0 Bq/kg dry	± 17.4 Bq/kg dry	165.7	Cs137	1.9 Bq/kg dry
			Cs134	8.7 Bq/kg dry	± 1.9 Bq/kg dry		Cs134	2.2 Bq/kg dry
Soil (in the park) under the Swing	Tamatsuyu5, Izumi, Iwaki	Oct-20	Cs137	122.0 Bq/kg dry	± 13.8 Bq/kg dry	122.0	Cs137	4.8 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.3 Bq/kg dry
Soil (in the park)	Tamatsuyu5, Izumi, Iwaki	Oct-20	Cs137	80.5 Bq/kg dry	± 9.5 Bq/kg dry	80.5	Cs137	3.9 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	5.9 Bq/kg dry
Lake sand (surface)	Shidahama LakeBeach① Fukushima	Oct-20	Cs137	11.5 Bq/kg dry	± 1.9 Bq/kg dry	11.5	Cs137	3.5 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	5.0 Bq/kg dry
Lake sand (10cm deep)			Cs137	7.2 Bq/kg dry	± 1.0 Bq/kg dry	7.2	Cs137	1.2 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.4 Bq/kg dry
Lake sand (30cm deep)			Cs137	5.1 Bq/kg dry	± 0.9 Bq/kg dry	5.1	Cs137	2.7 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	2.8 Bq/kg dry
Lake sand (surface)	Shidahama LakeBeach② Fukushima	Oct-20	Cs137	31.7 Bq/kg dry	± 3.9 Bq/kg dry	31.7	Cs137	3.0 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	3.2 Bq/kg dry
Lake sand (10cm deep)			Cs137	17.3 Bq/kg dry	± 2.5 Bq/kg dry	17.3	Cs137	3.5 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	4.5 Bq/kg dry
Lake sand (30cm deep)			Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.5 Bq/kg dry
Lake sand (50cm deep)			Cs137	— Bq/kg dry	± — Bq/kg dry	Under Minimum Limit of Detection	Cs137	1.5 Bq/kg dry
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	1.7 Bq/kg dry
Vacuum cleaner dust	Yotsukura, Iwaki	Oct-20	Cs137	85.5 Bq/kg raw	± 17.1 Bq/kg raw	85.5	Cs137	6.6 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	5.8 Bq/kg raw
Vacuum cleaner dust	Onahamasuwa, Iwaki	Oct-20	Cs137	44.6 Bq/kg raw	± 6.1 Bq/kg raw	44.6	Cs137	3.7 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.7 Bq/kg raw

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Mothers' Radiation Lab Fukushima

★Gamma-ray

Measuring instrument		Feature	Guide to lower limit※
NaI Scintillation Spectrometer			
Product of ATOMTEX AT1320A 	Product of BERTHOLD LB2045 	・Gamma-ray spectrometer with NaI 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
Germanium Semiconductor detector			
ORTEC GEM30-70 		・Radioactivity measurement series. Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector." ・Relative efficiency 35%	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	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Brown rice①	Nakoso,Iwaki	Oct-20	Cs137	0.64 Bq/kg raw	± 0.03 Bq/kg raw	0.64	Cs137	0.04 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.05 Bq/kg raw
Brown rice②	Nakoso,Iwaki	Oct-20	Cs137	0.94 Bq/kg raw	± 0.04 Bq/kg raw	0.94	Cs137	0.06 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.06 Bq/kg raw
Brown rice③	Nakoso,Iwaki	Oct-20	Cs137	0.65 Bq/kg raw	± 0.03 Bq/kg raw	0.65	Cs137	0.07 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.07 Bq/kg raw
Brown rice④	Nakoso,Iwaki	Oct-20	Cs137	0.86 Bq/kg raw	± 0.04 Bq/kg raw	0.86	Cs137	0.06 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.06 Bq/kg raw
Rice	Hokkaido	Oct-20	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	0.04 Bq/kg raw
Rice	Tenei,Iwase, Fukushima	Oct-20	Cs137	0.31 Bq/kg raw	± 0.02 Bq/kg raw	0.31	Cs137	0.04 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.04 Bq/kg raw
Rice	Fukushima Pref.	Oct-19	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	0.7 Bq/kg raw
Taro	Yotsukura, Iwaki	Sep-20	Cs137	0.22 Bq/kg raw	± 0.03 Bq/kg raw	0.22	Cs137	0.06 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.07 Bq/kg raw
Sweet potato	Yotsukura, Iwaki	Sep-20	Cs137	0.30 Bq/kg raw	± 0.05 Bq/kg raw	0.3	Cs137	0.09 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.14 Bq/kg raw
Sweet potato	Tairashimotakaku, Iwaki	Oct-20	Cs137	2.01 Bq/kg raw	± 0.06 Bq/kg raw	2.01	Cs137	0.09 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw
Sweet potato	Tairashimotakaku, Iwaki	Oct-20	Cs137	1.60 Bq/kg raw	± 0.06 Bq/kg raw	1.6	Cs137	0.08 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw
Lotus root	Ibaraki Pref.	Sep-20	Cs137	1.61 Bq/kg raw	± 0.05 Bq/kg raw	1.7	Cs137	0.06 Bq/kg raw
			Cs134	0.09 Bq/kg raw	± 0.02 Bq/kg raw		Cs134	0.05 Bq/kg raw
Myoga	Kitakata, Fukushima	Sep-20	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
Peach	Date,Fukushima	Sep-20	Cs137	0.16 Bq/kg raw	± 0.05 Bq/kg raw	0.16	Cs137	0.09 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.11 Bq/kg raw
Loach	Inawashiro,Yama, Fukushima	Oct-20	Cs137	1.06 Bq/kg raw	± 0.08 Bq/kg raw	1.06	Cs137	0.14 Bq/kg raw
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.15 Bq/kg raw

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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		
Toasted laver	Miyagi Pref.	Feb-20	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
Dried Udon	Watanabe,Iwaki	Jan-20	Cs137	0.6	Bq/kg raw	±	0.2	Bq/kg raw	0.6	Cs137	0.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.7	Bq/kg raw
Salt(Sea water)	Izuooshima/Tokyo	Jan-20	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
Soil① 0-5cm	Tokai,Naka, Ibaraki	Sep-20	Cs137	2349.0	Bq/kg dry	±	15.6	Bq/kg dry	2455.6	Cs137	4.2	Bq/kg dry
			Cs134	106.6	Bq/kg dry	±	3.7	Bq/kg dry		Cs134	4.3	Bq/kg dry
Soil② 5-10cm	Tokai,Naka, Ibaraki	Sep-20	Cs137	491.9	Bq/kg dry	±	6.3	Bq/kg dry	516.2	Cs137	2.1	Bq/kg dry
			Cs134	24.3	Bq/kg dry	±	1.7	Bq/kg dry		Cs134	2.4	Bq/kg dry
Soil③ 10-15cm	Tokai,Naka, Ibaraki	Sep-20	Cs137	52.0	Bq/kg dry	±	2.3	Bq/kg dry	55.0	Cs137	1.8	Bq/kg dry
			Cs134	3.0	Bq/kg dry	±	0.9	Bq/kg dry		Cs134	1.8	Bq/kg dry
Mineral water	Nikkokodo/Tochigi	Sep-20	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.03	Bq/L
			Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.03	Bq/L
Pool water	Taira,Iwaki	Aug-20	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.03	Bq/L
			Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.03	Bq/L
Sea water (surface)	OnahamaPort, Iwaki	Aug-20	Cs137	0.010	Bq/L	±	0.0006	Bq/L	0.01	Cs137	0.001	Bq/L
			Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water (lower)	OnahamaPort, Iwaki	Aug-20	Cs137	0.016	Bq/L	±	0.0007	Bq/L	0.016	Cs137	0.001	Bq/L
			Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L
Sea water (surface)	OnahamaPort, Iwaki	Jul-20	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 (surface)	HirakataPort,Iwaki	Jul-20	Cs137	0.005	Bq/L	±	0.0005	Bq/L	0.005	Cs137	0.001	Bq/L
			Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.001	Bq/L

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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)

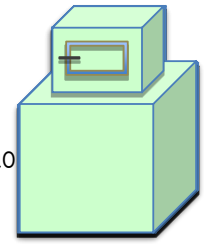
Samples	Sampling Point	Sampling Month	Measurement Result			Uncertainty			Minimum Limit of Detection	
White rockfish (flesh)	Off the coast of Fukushima Nuclear Power Plant 1	Jun-20	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.14	Bq/kg dry
Yellowtail (flesh)	OnahamaPort, Iwaki	Aug-20	T (Organic)	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.41	Bq/kg dry
Butterbur	Okuma, Futaba, Fukushima	May-18	Sr90	1.00	Bq/kg dry	±	0.08	Bq/kg dry	0.11	Bq/kg dry
Roundnose flounder (whole)	Off the coast of Fukushima Nuclear Power Plant 1	Jul-18	Sr90	0.15	Bq/kg dry	±	0.07	Bq/kg dry	0.11	Bq/kg dry
Mackerel (bone)	OnahamaPort, Iwaki	Jun-20	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.21	Bq/kg dry
Cedar Tree	Tomioka, Futaba, Fukushima	Feb-19	Sr90	3.02	Bq/kg dry	±	0.35	Bq/kg dry	0.30	Bq/kg dry
Pine cone	Tsukuba, Ibaraki	Mar-19	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	0.31	Bq/kg dry
Moss	Nishiki, Iwaki	Nov-18	Sr90	0.45	Bq/kg dry	±	0.17	Bq/kg dry	0.24	Bq/kg dry
Soil	Okuma, Futaba, Fukushima	Nov-19	Sr90	5.45	Bq/kg dry	±	1.02	Bq/kg dry	1.50	Bq/kg dry
Soil	Tomioka, Futaba, Fukushima	Feb-19	Sr90	4.22	Bq/kg dry	±	0.95	Bq/kg dry	1.41	Bq/kg dry
Soil	Iitate, Soma, Fukushima	Nov-18	Sr90	4.68	Bq/kg dry	±	1.11	Bq/kg dry	1.64	Bq/kg dry
Soil	Ogawa, Iwaki	Aug-18	Sr90	3.26	Bq/kg dry	±	1.30	Bq/kg dry	1.94	Bq/kg dry
Soil	Ogawa, Iwaki	Aug-18	Sr90	2.88	Bq/kg dry	±	1.34	Bq/kg dry	2.02	Bq/kg dry
Seasand	Haragama Beach, Soma	Mar-19	Sr90	Under Minimum Limit of Detection	Bq/kg dry	±	—	Bq/kg dry	1.66	Bq/kg dry
Riverwater	Jizo river/ Soma	Sep-20	Sr90	0.0024	Bq/L	±	0.0006	Bq/L	0.0007	Bq/L
Seawater	OnahamaPort, Iwaki	Jul-20	Sr90	0.0012	Bq/L	±	0.0004	Bq/L	0.0006	Bq/L
Seawater	HirakataPort/ Kitaibaraki	Jul-20	Sr90	0.0013	Bq/L	±	0.0007	Bq/L	0.0010	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 mo

・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	Kochi Pref.	Oct-19	OR	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.03 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Cabbage	Tanakura, Higashishirakawa, Fukushima	Aug-20	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
Cucumber	Okuma,Futaba, Fukushima	Aug-20	CA	Cs137	1.3 Bq/kg raw	± 0.1 Bq/kg raw		1.3	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Cucumber	Tomitsu,Iwaki	Aug-20	CA	Cs137	— Bq/kg raw	± — Bq/kg raw		Under Minimum Limit of Detection	Cs137	0.02 Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Eggplant	Hirono, Futaba,Fukushima	Aug-20	CA	Cs137	0.3 Bq/kg raw	± 0.07 Bq/kg raw		0.3	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Eggplant	Tomitsu,Iwaki	Aug-20	CA	Cs137	0.1 Bq/kg raw	± 0.03 Bq/kg raw		0.1	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Green bean	Tanakura, Higashishirakawa, Fukushima	Aug-20	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	— Bq/kg raw
Okra	Tomitsu,Iwaki	Aug-20	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	— Bq/kg raw
Pumpkin	Ryouzen,Date, Fukushima	Aug-20	CA	Cs137	0.5 Bq/kg raw	± 0.09 Bq/kg raw		0.5	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Pumpkin	Iwaki city	Jul-20	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
Bitter gourd	Iwaki city	Aug-20	CA	Cs137	0.2 Bq/kg raw	± 0.07 Bq/kg raw		0.2	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Bitter gourd	Tairashimokabeya, Iwaki	Aug-20	CA	Cs137	0.2 Bq/kg raw	± 0.07 Bq/kg raw		0.2	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Peach	Date,Fukushima	Aug-20	CA	Cs137	0.4 Bq/kg raw	± 0.03 Bq/kg raw		0.4	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Pear	Ogawa,Iwaki	Aug-20	CA	Cs137	0.03 Bq/kg raw	± 0.02 Bq/kg raw		0.03	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Dried sweet potapo	Ibaraki Pref.	Nov-19	CA	Cs137	1.2 Bq/kg raw	± 0.2 Bq/kg raw		1.2	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw
Rice ball	Fukushima Pref.	Aug-20	OR	Cs137	0.1 Bq/kg raw	± 0.04 Bq/kg raw		0.1	Cs137	— Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw			Cs134	— Bq/kg raw

Mothers' Radiation Lab Fukushima