



# Radiation Measurement Results of 172 Items in April





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※
<b>Na I Scintillation Spectrometer</b>			
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			
			Cs137	Cs134	±	—		Cs137	Cs134		
Potato	Konan, Koriyama, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.3	Bq/kg raw
Taro	Otsubo, Soma, Fukushima	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.3	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.2	Bq/kg raw
Taro	Nikko, Tochigi	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	1.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	1.1	Bq/kg raw
Sweet potato	Miyakoji, Tamura, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.0	Bq/kg raw
Sweet potato	Ibaraki Pref.	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.9	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.7	Bq/kg raw
Onion	Hiwada, Koriyama, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.4	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.3	Bq/kg raw
Turnip (pulp)	Miharu, Tamura, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.3	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.1	Bq/kg raw
Turnip (leaf)	Miharu, Tamura, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	1.7	Bq/kg raw
Tomato	Nikko, Tochigi	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	1.7	Bq/kg raw
Dried radish	Iwaki City	Apr-22	Cs137	5.5	Bq/kg raw	±	2.0	5.5	Cs137	2.1	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	1.6	Bq/kg raw
Cucumber	Miharu, Tamura, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.1	Bq/kg raw
Cucumber	Minamisoma, Fukushima	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.5	Bq/kg raw
Cucumber	Ibaraki Pref.	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.0	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	1.9	Bq/kg raw
Snap garden peas	Iwaki City	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.0	Bq/kg raw
Broccoli	Soma, Fukushima	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.6	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.1	Bq/kg raw
Broccoli	Nishida, Koriyama, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	2.9	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	2.7	Bq/kg raw
Cabbage	Iwaki City	Apr-22	Cs137	—	Bq/kg raw	±	—	Under Minimum Limit of Detection	Cs137	3.8	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—		Cs134	3.6	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.

★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				
			Cs137	Cs134	±	±		Cs137	Cs134			
Spinach	Iwaki City	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	3.4	Bq/kg raw
Japanese mustard spinach	Tamura, Koriyama, Fukushima	Mar-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
Sunny lettuce	Nikko, Tochigi	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	4.1	Bq/kg raw
Garland chrysanthemum	Fukuyama, Koriyama, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.2	Bq/kg raw
Gynura bicolor	Nikko, Tochigi	Apr-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	1.3	Bq/kg raw
Shantung vegetables	Iwaki City	Apr-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.0	Bq/kg raw
Kakina	Hirono, Futaba, Fukushima	Apr-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	2.9	Bq/kg raw
Japanese honeywort (Hydroponics)	Tabito, Iwaki	Apr-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.1	Bq/kg raw
Watercress	Nikko, Tochigi	Apr-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
Leaf garlic	Iwaki City	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	4.1	Bq/kg raw
Parsley	Iwaki City	Apr-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	2.3	Bq/kg raw
Burdock	Tamura, Koriyama, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.2	Bq/kg raw
Burdock	Yanagawa, Date, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	2.5	Bq/kg raw
Yacon	Hirono, Futaba, Fukushima	Apr-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
Asparagus	Tomioka, Futaba, Fukushima	Apr-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
Asparagus	Tamura, Koriyama, Fukushima	Mar-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	2.9	Bq/kg raw
Cauliflower	Fukushima Pref.	Mar-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
Cauliflower	Ibaraki Pref.	Apr-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	2.4	Bq/kg raw
Leaf wasabi	Soma, Fukushima	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	2.3	Bq/kg raw
Green onion	Shiroiwa, Koriyama, Fukushima	Mar-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
Soybeans	Soma, Fukushima	Mar-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
Apple (pulp)	Fukushima, Fukushima Pref.	Mar-22	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
Apple (peel, core)	Fukushima, Fukushima Pref.	Mar-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
Strawberry	Haramachi, Minamisoma, Fukushima	Apr-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

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

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



★Gamma-ray

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

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection				
			Cs137	Cs134	±	±		Cs137	Cs134			
Melon	Ibaraki Pref.	Apr-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
Bamboo shoot (raw)	Obama, Iwaki	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
Mountain udo	Soma, Fukushima	Apr-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.1	Bq/kg raw
Udo	Iwaki City	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	1.7	Bq/kg raw
Udo (cultivation)	Samegawa, Higashishirakawa, Fukushima	Mar-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	1.6	Bq/kg raw
Butterbur sprout (wild)	Motomiya, Fukushima	Mar-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	2.4	Bq/kg raw
Butterbur	Iwaki City	Apr-22	Cs137	2.2	Bq/kg raw	±	1.3	Bq/kg raw	2.2	Cs137	1.7	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.4	Bq/kg raw
Hosta	Hirono, Futaba, Fukushima	Apr-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	1.8	Bq/kg raw
Ostrich fern sprout	Iwaki City	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	1.6	Bq/kg raw
Sea lettuce	Matsukawaura, Soma, Fukushima	Apr-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
Oyster mushroom	Iwaki City	Mar-22	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
Oyster mushroom	Iwaki City	Mar-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.2	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	3.0	Bq/kg raw
Konjac	Gunma Pref.	Mar-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	2.0	Bq/kg raw
Soy pulp	Tamura, Koriyama, Fukushima	Mar-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	2.4	Bq/kg raw
Rice miso	Nakata, Koriyama, Fukushima	Mar-22	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
Rice flour	Motomiya, Fukushima	Mar-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
Buckwheat flour	Konan, Koriyama, Fukushima	Mar-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
Sake lees	Nishida, Koriyama, Fukushima	Mar-22	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.5	Bq/kg raw
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.2	Bq/kg raw
Soil (in the park) under the bench	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	728.0	Bq/kg dry	±	73.9	Bq/kg dry	746.9	Cs137	1.2	Bq/kg dry
			Cs134	18.9	Bq/kg dry	±	2.2	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park) under the tree	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	470.0	Bq/kg dry	±	47.9	Bq/kg dry	479.3	Cs137	1.3	Bq/kg dry
			Cs134	9.3	Bq/kg dry	±	1.3	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil (in the park)	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	310.0	Bq/kg dry	±	31.9	Bq/kg dry	319.6	Cs137	1.1	Bq/kg dry
			Cs134	9.6	Bq/kg dry	±	1.3	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	268.0	Bq/kg dry	±	27.6	Bq/kg dry	276.7	Cs137	1.1	Bq/kg dry
			Cs134	8.7	Bq/kg dry	±	1.2	Bq/kg dry		Cs134	1.3	Bq/kg dry
Soil (in the park)	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	174.0	Bq/kg dry	±	18.0	Bq/kg dry	179.3	Cs137	1.1	Bq/kg dry
			Cs134	5.3	Bq/kg dry	±	0.8	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil (in the park) Sandbox	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	81.6	Bq/kg dry	±	9.0	Bq/kg dry	84.5	Cs137	1.3	Bq/kg dry
			Cs134	2.9	Bq/kg dry	±	0.7	Bq/kg dry		Cs134	1.6	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.



★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)	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	70.0	Ba/kg dry	± 7.7	Ba/kg dry	70.0	Cs137	1.9	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	2.3	Ba/kg dry
Soil (in the park)	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	57.0	Ba/kg dry	± 9.2	Ba/kg dry	57.0	Cs137	2.9	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	2.5	Ba/kg dry
Soil (in the park)	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	9.9	Ba/kg dry	± 1.2	Ba/kg dry	9.9	Cs137	1.1	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	1.3	Ba/kg dry
Soil (in the park) under the swing	Yomogisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	9.1	Ba/kg dry	± 1.3	Ba/kg dry	9.1	Cs137	1.9	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	2.2	Ba/kg dry
Soil (in the park)	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	919.0	Ba/kg dry	± 94.6	Ba/kg dry	945.8	Cs137	3.3	Ba/kg dry
			Cs134	26.8	Ba/kg dry	± 3.6	Ba/kg dry		Cs134	3.7	Ba/kg dry
Soil (in the park)	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	760.0	Ba/kg dry	± 78.6	Ba/kg dry	781.9	Cs137	3.0	Ba/kg dry
			Cs134	21.9	Ba/kg dry	± 3.0	Ba/kg dry		Cs134	3.4	Ba/kg dry
Soil (in the park)	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	717.0	Ba/kg dry	± 73.1	Ba/kg dry	737.7	Cs137	1.7	Ba/kg dry
			Cs134	20.7	Ba/kg dry	± 2.6	Ba/kg dry		Cs134	2.0	Ba/kg dry
Soil (in the park)	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	481.0	Ba/kg dry	± 49.1	Ba/kg dry	494.3	Cs137	1.3	Ba/kg dry
			Cs134	13.3	Ba/kg dry	± 1.7	Ba/kg dry		Cs134	1.6	Ba/kg dry
Soil (in the park) under the tire playset	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	454.0	Ba/kg dry	± 47.4	Ba/kg dry	467.9	Cs137	2.9	Ba/kg dry
			Cs134	13.9	Ba/kg dry	± 2.1	Ba/kg dry		Cs134	2.9	Ba/kg dry
Soil (in the park) under the slide	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	376.0	Ba/kg dry	± 38.5	Ba/kg dry	387.5	Cs137	1.4	Ba/kg dry
			Cs134	11.5	Ba/kg dry	± 1.5	Ba/kg dry		Cs134	1.6	Ba/kg dry
Soil (in the park)	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	303.0	Ba/kg dry	± 31.8	Ba/kg dry	312.0	Cs137	2.0	Ba/kg dry
			Cs134	9.0	Ba/kg dry	± 1.5	Ba/kg dry		Cs134	2.4	Ba/kg dry
Soil (in the park) under the tree	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	93.7	Ba/kg dry	± 10.4	Ba/kg dry	97.6	Cs137	2.2	Ba/kg dry
			Cs134	3.9	Ba/kg dry	± 1.1	Ba/kg dry		Cs134	2.8	Ba/kg dry
Soil (in the park) under the swing	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	40.5	Ba/kg dry	± 5.5	Ba/kg dry	40.5	Cs137	2.3	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	2.8	Ba/kg dry
Soil (in the park)	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	18.9	Ba/kg dry	± 2.5	Ba/kg dry	18.9	Cs137	2.3	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	2.8	Ba/kg dry
Soil (in the park) under the seesaw	Minamisaku Park Chuodai-ino, Iwaki	Mar-22	Cs137	9.1	Ba/kg dry	± 1.3	Ba/kg dry	9.1	Cs137	1.8	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	2.4	Ba/kg dry
Sea sand (surface)	Haragamaobama Beach①	Apr-22	Cs137	21.4	Ba/kg dry	± 2.4	Ba/kg dry	22.3	Cs137	0.6	Ba/kg dry
			Cs134	0.9	Ba/kg dry	± 0.2	Ba/kg dry		Cs134	0.6	Ba/kg dry
Sea sand (15cm)	Haragamaobama Beach①	Apr-22	Cs137	8.6	Ba/kg dry	± 1.0	Ba/kg dry	8.6	Cs137	0.4	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	0.5	Ba/kg dry
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	11.7	Ba/kg dry	± 1.6	Ba/kg dry	11.7	Cs137	1.3	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	1.0	Ba/kg dry
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	6.8	Ba/kg dry	± 1.1	Ba/kg dry	6.8	Cs137	1.3	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	1.0	Ba/kg dry
Sea sand (surface)	Haragamaobama Beach②	Apr-22	Cs137	10.3	Ba/kg dry	± 1.2	Ba/kg dry	10.3	Cs137	0.6	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	0.6	Ba/kg dry
Sea sand (15cm)	Haragamaobama Beach②	Apr-22	Cs137	18.3	Ba/kg dry	± 2.3	Ba/kg dry	18.3	Cs137	1.4	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	1.1	Ba/kg dry
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	18.6	Ba/kg dry	± 2.1	Ba/kg dry	18.6	Cs137	0.8	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	0.6	Ba/kg dry
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	26.6	Ba/kg dry	± 2.9	Ba/kg dry	26.6	Cs137	0.6	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	0.7	Ba/kg dry
Sea sand (surface)	Haragamaobama Beach③	Apr-22	Cs137	13.5	Ba/kg dry	± 1.5	Ba/kg dry	13.5	Cs137	0.6	Ba/kg dry
			Cs134	—	Ba/kg dry	± —	Ba/kg dry		Cs134	0.6	Ba/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.



★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		
			Cs137	Ba/kg dry	±	Ba/kg dry		Cs137	Ba/kg dry	
Sea sand (15cm)	Haragamaobama Beach③	Apr-22	Cs137	11.3	±	0.1	11.3	Cs137	0.7	
			Cs134	—	±	—		Cs134	0.6	
Apr-22		Cs137	11.8	±	1.5	11.8	Cs137	1.0		
		Cs134	—	±	—		Cs134	1.0		
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	32.1	±	3.7	32.1	Cs137	1.4	
			Cs134	—	±	—		Cs134	1.1	
Sea sand (surface)	Haragamaobama Beach④	Apr-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	1.2	
Cs134			—	±	—	Cs134		1.1		
Sea sand (15cm)		Fukushima Pref.	Apr-22	Cs137	—	±	—	Under Minimum Limit of Detection	Cs137	0.6
				Cs134	—	±	—		Cs134	0.5
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	1.6	±	0.3	1.6	Cs137	1.0	
			Cs134	—	±	—		Cs134	1.2	
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	4.5	±	0.6	4.5	Cs137	0.6	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (surface)	Yotsukura Beach①	Apr-22	Cs137	16.0	±	2.1	16.0	Cs137	1.6	
			Cs134	—	±	—		Cs134	1.2	
Sea sand (15cm)	Fukushima Pref.	Apr-22	Cs137	10.5	±	1.3	10.5	Cs137	0.8	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (surface)	Yotsukura Beach②	Apr-22	Cs137	15.2	±	1.7	15.2	Cs137	0.6	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (15cm)		Fukushima Pref.	Apr-22	Cs137	17.7	±	2.1	17.7	Cs137	1.1
				Cs134	—	±	—		Cs134	1.1
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	11.9	±	1.4	11.9	Cs137	0.8	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	6.2	±	0.8	6.2	Cs137	1.1	
			Cs134	—	±	—		Cs134	1.1	
Sea sand (surface)	Yotsukura Beach③	Apr-22	Cs137	11.3	±	1.3	11.3	Cs137	0.6	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (15cm)		Fukushima Pref.	Apr-22	Cs137	13.2	±	1.5	13.2	Cs137	0.6
				Cs134	—	±	—		Cs134	0.6
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	18.7	±	2.1	18.7	Cs137	0.6	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	19.8	±	2.4	19.8	Cs137	1.4	
			Cs134	—	±	—		Cs134	1.1	
Sea sand (surface)	Yotsukura Beach④	Apr-22	Cs137	24.0	±	2.9	Under Minimum Limit of Detection	Cs137	1.2	
			Cs134	1.0	±	0.4		Cs134	1.2	
Sea sand (15cm)		Fukushima Pref.	Apr-22	Cs137	19.9	±	2.2	19.9	Cs137	0.7
				Cs134	—	±	—		Cs134	0.7
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	23.7	±	2.6	23.7	Cs137	0.7	
			Cs134	—	±	—		Cs134	0.7	
Sea sand (50cm)	Fukushima Pref.	Apr-22	Cs137	22.2	±	2.5	22.2	Cs137	0.8	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (surface)	Yotsukura Beach⑤	Apr-22	Cs137	18.8	±	2.0	18.8	Cs137	0.6	
			Cs134	—	±	—		Cs134	0.6	
Sea sand (15cm)		Fukushima Pref.	Apr-22	Cs137	32.8	±	3.8	32.8	Cs137	1.5
				Cs134	—	±	—		Cs134	1.2
Sea sand (30cm)	Fukushima Pref.	Apr-22	Cs137	10.2	±	1.3	10.2	Cs137	1.1	
			Cs134	—	±	—		Cs134	1.1	

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

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



★Gamma-ray

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



Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Sea sand (50cm)	Yotsukura Beach⑤ Fukushima Pref.	Apr-22	Cs137	24.3 Bq/kg dry	± 2.7 Bq/kg dry	24.3	Cs137	0.9 Bq/kg dry	
			Cs134	— Bq/kg dry	± — Bq/kg dry		Cs134	0.7 Bq/kg dry	
Ash (Camellia tree)	Izumigaoka, Iwaki	Apr-21	Cs137	274.2 Bq/kg raw	± 27.0 Bq/kg raw	274.2	Cs137	3.6 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.5 Bq/kg raw	
Ash (Rose of Shanon tree)	Izumigaoka, Iwaki	Apr-21	Cs137	26.6 Bq/kg raw	± 6.4 Bq/kg raw	26.6	Cs137	3.3 Bq/kg raw	
			Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.7 Bq/kg raw	

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

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



★Gamma-ray

Measuring instrument		Feature		Guide to lower limit※	
Germanium Semiconductor detector					
ORTEC GEM30-70	CANBERRA GC4020	<ul style="list-style-type: none"> <li>• Radioactivity measurement series.</li> <li>Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector."</li> <li>• ORTEC GEM30-70 Relative efficiency 35%</li> <li>• CANBERRA GC4020 Relative efficiency 43%</li> </ul>		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	Naraha, Futaba, Fukushima	Oct-21	CA	Cs137	0.2 Bq/kg raw	± 0.03 Bq/kg raw	0.2	Cs137	0.06 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw	
Rice	Hirono, Futaba, Fukushima	Oct-21	CA	Cs137	0.4 Bq/kg raw	± 0.05 Bq/kg raw	0.4	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Rice	Fukushima, Fukushima Pref.	Oct-21	CA	Cs137	0.2 Bq/kg raw	± 0.02 Bq/kg raw	0.2	Cs137	0.03 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.03 Bq/kg raw	
Rice	Nihonmatsu, Fukushima	Oct-21	OR	Cs137	0.3 Bq/kg raw	± 0.05 Bq/kg raw	0.3	Cs137	0.08 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.09 Bq/kg raw	
Jerusalem artichoke	Nukada, Naka, Ibaraki	Mar-22	CA	Cs137	0.32 Bq/kg raw	± 0.03 Bq/kg raw	0.32	Cs137	0.05 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.04 Bq/kg raw	
Dried persimmon	Nihonmatsu, Fukushima	Apr-22	CA	Cs137	1.0 Bq/kg raw	± 0.4 Bq/kg raw	1.0	Cs137	0.8 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.8 Bq/kg raw	
Butterbur sprout (wild)	Kashima, Minamisoma, Fukushima	Apr-22	CA	Cs137	77.6 Bq/kg raw	± 3.6 Bq/kg raw	77.6	Cs137	3.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.8 Bq/kg raw	
Butterbur sprout (wild)	Kawauchi, Futaba, Fukushima	Apr-22	OR	Cs137	11.1 Bq/kg raw	± 0.3 Bq/kg raw	11.4	Cs137	0.3 Bq/kg raw	
				Cs134	0.3 Bq/kg raw	± 0.1 Bq/kg raw		Cs134	0.3 Bq/kg raw	
Butterbur sprout (wild)	Iizaka, Fukushima, Fukushima Pref.	Apr-22	OR	Cs137	4.2 Bq/kg raw	± 0.8 Bq/kg raw	4.2	Cs137	1.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.6 Bq/kg raw	
Butterbur sprout (wild)	Kanayagawa, Fukushima, Fukushima Pref.	Apr-22	CA	Cs137	2.8 Bq/kg raw	± 0.2 Bq/kg raw	2.8	Cs137	0.4 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.3 Bq/kg raw	
Butterbur sprout (wild)	Sukagawa, Fukushima	Mar-22	OR	Cs137	2.4 Bq/kg raw	± 0.1 Bq/kg raw	2.4	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Butterbur	Okuma, Futaba, Fukushima	Apr-22	OR	Cs137	0.78 Bq/kg raw	± 0.03 Bq/kg raw	0.78	Cs137	0.05 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.05 Bq/kg raw	
Aralia sprout (wild)	Kawauchi, Futaba, Fukushima	Apr-22	CA	Cs137	303.6 Bq/kg raw	± 8.7 Bq/kg raw	313.0	Cs137	4.4 Bq/kg raw	
				Cs134	9.4 Bq/kg raw	± 1.9 Bq/kg raw		Cs134	4.7 Bq/kg raw	
Aralia sprout (wild)	Kawauchi, Futaba, Fukushima	Apr-22	CA	Cs137	26.1 Bq/kg raw	± 1.1 Bq/kg raw	26.1	Cs137	1.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.2 Bq/kg raw	
Aralia sprout (cultivation)	Nihonmatsu, Fukushima	Mar-22	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	0.5 Bq/kg raw	
Shitake mushroom log grown (Cultivation test)	Koriyama, Fukushima	Apr-22	CA	Cs137	56.9 Bq/kg raw	± 3.3 Bq/kg raw	56.9	Cs137	1.8 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	2.4 Bq/kg raw	
Shitake mushroom log grown	Koriyama, Fukushima	Mar-22	OR	Cs137	7.1 Bq/kg raw	± 0.9 Bq/kg raw	7.1	Cs137	1.0 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	1.1 Bq/kg raw	
Nibe croaker	Ukedo port/ Fukushima Pref.	Nov-21	CA	Cs137	1.2 Bq/kg raw	± 0.1 Bq/kg raw	1.2	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Gurnard	Ukedo port/ Fukushima Pref.	Nov-21	CA	Cs137	0.4 Bq/kg raw	± 0.07 Bq/kg raw	0.4	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Greenling	Haragama port/ Fukushima Pref.	Mar-22	CA	Cs137	0.7 Bq/kg raw	± 0.07 Bq/kg raw	0.7	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	

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

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

★Gamma-ray

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

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Flounder	Haragama port/ Fukushima Pref.	Apr-22	CA	Cs137	0.4 Bq/kg raw	± 0.1 Bq/kg raw	0.4	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Slime flounder	Haragama port/ Fukushima Pref.	Apr-22	CA	Cs137	0.3 Bq/kg raw	± 0.09 Bq/kg raw	0.3	Cs137	0.1 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.1 Bq/kg raw	
Ridged-eye flounder	Haragama port/ Fukushima Pref.	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	
Sillago japonica	Haragama port/ Fukushima Pref.	Apr-22	OR	Cs137	0.3 Bq/kg raw	± 0.1 Bq/kg raw	0.3	Cs137	0.2 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.2 Bq/kg raw	
Pointhead flounder	Hisanohama port/ Fukushima Pref.	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	0.09 Bq/kg raw	
Japanese icefish	Hisanohama port/ Fukushima Pref.	Apr-22	OR	Cs137	0.3 Bq/kg raw	± 0.03 Bq/kg raw	0.3	Cs137	0.06 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	0.08 Bq/kg raw	
Japanese smelt	Yokokawa dam/ Fukushima Pref.	Apr-22	CA	Cs137	159.9 Bq/kg raw	± 2.8 Bq/kg raw	165.2	Cs137	1.2 Bq/kg raw	
				Cs134	5.3 Bq/kg raw	± 0.5 Bq/kg raw		Cs134	1.2 Bq/kg raw	
Sea robin	unknown	Dec-21	OR	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	
Tap water	Haramachi, Minamisoma, Fukushima	Apr-22	OR	Cs137	0.002 Bq/L	± 0.0005 Bq/L	0.002	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Noda, Fukushima, Fukushima Pref.	Mar-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Yotsukura, Iwaki	Apr-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Taira, Iwaki	Apr-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Onahama hanabatake, Iwaki	Apr-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Joban, Iwaki	Mar-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Negishi, Tono, Iwaki	Apr-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Iritono, Tono, Iwaki	Mar-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Tap water	Minamidai, Iwaki	Apr-22	OR	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.001 Bq/L	
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	May-21	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0008 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.0008 Bq/L	
Suspended solid in sea water (lower)	Off the coast of Fukushima Nuclear Power Plant1 Point D	May-21	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0008 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.0008 Bq/L	
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point B	Aug-21	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0006 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.0007 Bq/L	
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point C	Aug-21	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0008 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.0007 Bq/L	
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point D	Aug-21	CA	Cs137	0.003 Bq/L	± 0.0009 Bq/L	0.003	Cs137	0.001 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L	
Suspended solid in sea water (surface)	Tomioka Port/ Fukushima Pref.	Aug-21	CA	Cs137	— Bq/L	± — Bq/L	Under Minimum Limit of Detection	Cs137	0.0009 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.0009 Bq/L	
Suspended solid in sea water (surface)	Off the coast of Fukushima Nuclear Power Plant1 Point A	Nov-21	CA	Cs137	0.01 Bq/L	± 0.001 Bq/L	0.01	Cs137	0.002 Bq/L	
				Cs134	— Bq/L	± — Bq/L		Cs134	0.002 Bq/L	

※“\_”used in Measurement Result and Uncertainty shows that the value is below the detection limit.

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





★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		
				Isotope	Value	Unit	Value	Unit		Isotope	Value	Unit
Horsetail	Shimokuramochi, Kashima, Iwaki	Apr-22	OR	Cs137	1.7	Bq/kg raw	±	0.1	1.7	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—		Bq/kg raw	Cs134	0.2
Horse dung	Gotenba, Shizuoka	Apr-22	OR	Cs137	2.3	Bq/kg raw	±	0.1	2.3	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—		Bq/kg raw	Cs134	0.1

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



★Beta-ray

Measuring instrument		Feature
<b>Liquid Scintillation Counter</b>		
Product of Hidex <b>HIDEX 300SLL</b>	Product of PerkinElmer Japan <b>Quantulus GCT 622</b>	Equipment for measuring low-energy beta-ray emission nuclides
		Measuring nuclide Strontium90 Half-life 30 years Organically bound 3H Half-life 12.3 years Free-water 3H Half-life 12.3 years
All samples are measured in liquid condition after several days of pretreatment.		

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

Samples	Sampling Point	Sampling Month	Measurement Result		Uncertainty			Minimum Limit of Detection	
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant Point A	Feb-22	T (Free)	Under Minimum Limit of Detection Bq/L	±	—	Bq/L	0.19	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant Point B	Feb-22	T (Free)	Under Minimum Limit of Detection Bq/L	±	—	Bq/L	0.12	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant Point C	Feb-22	T (Free)	Under Minimum Limit of Detection Bq/L	±	—	Bq/L	0.13	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant Point D	Feb-22	T (Free)	Under Minimum Limit of Detection Bq/L	±	—	Bq/L	0.12	Bq/L
Horse mackerel	Toyama Pref.	Sep-20	Sr90	Under Minimum Limit of Detection Bq/kg dry	±	—	Bq/kg dry	0.16	Bq/kg dry
Soil	Tsukidate, Date, Fukushima	Mar-21	Sr90	1.92 Bq/kg dry	±	0.57	Bq/kg dry	0.85	Bq/kg dry
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant Point C	Feb-22	Sr90	0.0011 Bq/L	±	0.0005	Bq/L	0.0008	Bq/L
Sea water (surface)	Off the coast of Fukushima Nuclear Power Plant Point C	Feb-22	Sr90	Under Minimum Limit of Detection Bq/L	±	—	Bq/L	0.0007	Bq/L
Sea water (lower)	Off the coast of Fukushima Nuclear Power Plant Point D	Feb-22	Sr90	Under Minimum Limit of Detection Bq/L	±	—	Bq/L	0.0008	Bq/L
Ash (Wood-burning stove)	Uchigo, Iwaki	Feb-22	Sr90	308.12 Bq/kg dry	±	2.30	Bq/kg dry	1.39	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.

# Measurement results of 16 items by germanium semiconductor detector

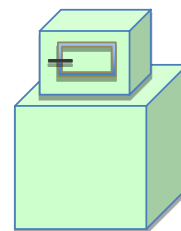
Dr. Tetsuji Imanaka, Institute of Multiple Nuclear Science, Kyoto University

In order to convey more measurement results to everyone, we have asked Dr. Tetsuji Imanaka of the Institute of Advanced Nuclear Science, Kyoto University, to measure low-dose samples using germanium semiconductor detectors. Measurement samples are not only from Fukushima Prefecture but also come from other prefectures. Please compare data based on measurements from various regions and use them to protect your children from radiation exposure.

## ★Gamma-ray

Measuring instrument : Germanium Semiconductor detector

- Product of CANBERRA (CA), USA GX3018 Relative efficiency 30% or more
- Product of ORTEC (OR), USA GMX25-70 Relative efficiency 35%



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

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty		Total Amount of Cesium	Minimum Limit of Detection	
Rice	Shinchi, Soma, Fukushima	Nov-21	OR	Cs137	0.22 Bq/kg raw	± 0.02 Bq/kg raw	0.22	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Sweet potato	Yokozuka, Koriyama, Fukushima	Jan-22	OR	Cs137	0.8 Bq/kg raw	± 0.15 Bq/kg raw	0.8	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Taro	Namie, Futaba, Fukushima	Jan-22	OR	Cs137	1.4 Bq/kg raw	± 0.1 Bq/kg raw	1.4	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Chinese yam	Minamisoma, Fukushima	Jan-22	OR	Cs137	0.2 Bq/kg raw	± 0.04 Bq/kg raw	0.2	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Japanese white radish	Hirono, Futaba, Fukushima	Jan-22	CA	Cs137	0.5 Bq/kg raw	± 0.03 Bq/kg raw	0.5	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Carrot	Samegawa, Higashishirakawa, Fukushima	Jan-22	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	
Turnip	Hirono, Futaba, Fukushima	Jan-22	CA	Cs137	0.02 Bq/kg raw	± 0.009 Bq/kg raw	0.02	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Spinach	Minamisoma, Fukushima	Jan-22	CA	Cs137	2.7 Bq/kg raw	± 0.2 Bq/kg raw	2.7	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Celery	Shizuoka Pref.	Jan-22	CA	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	
Shitake mushroom log grown (raw)	Koriyama, Fukushima	Jan-22	CA	Cs137	8.1 Bq/kg raw	± 0.1 Bq/kg raw	8.26	Cs137	Bq/kg raw	
				Cs134	0.16 Bq/kg raw	± 0.03 Bq/kg raw		Cs134	Bq/kg raw	
Ginkgo	Niigata Pref.	Jan-22	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.25 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Dried wood ear mushroom (grown in bacteria-bed)	Odaka, Minamisoma, Fukushima	Jan-22	OR	Cs137	21 Bq/kg raw	± 0.5 Bq/kg raw	21.8	Cs137	Bq/kg raw	
				Cs134	0.8 Bq/kg raw	± 0.2 Bq/kg raw		Cs134	Bq/kg raw	
Dried whitebait	Ukedo Port/ Fukushima Pref.	Jan-22	OR	Cs137	0.05 Bq/kg raw	± 0.03 Bq/kg raw	0.05	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Bran (Shiitake powder)	Saitama Pref.	Feb-22	CA	Cs137	4.1 Bq/kg raw	± 0.2 Bq/kg raw	4.1	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Strawberry	Fukushima Pref.	Jan-22	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.08 Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	
Kumquat	Iwaki City	Jan-22	OR	Cs137	0.15 Bq/kg raw	± 0.05 Bq/kg raw	0.15	Cs137	Bq/kg raw	
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw	