



Radiation Measurement Results of 74 items in February 2013



※The analytical software we used for radioactivity measurement between November 2011 and March 2013 was older than the one we use currently, therefore, the both values for measured results and minimum limit of detection during this period may differ comparing the present measured values. Please refer those values as an indication for radiation dose at the time of the Daiichi Fukushima nuclear accident.

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

(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 rice	Yotsukura, Iwaki	Oct-12	Cs137	1.6 Bq/Kg raw	± 2.2 Bq/Kg raw	0.0	Cs137	3.3 Bq/Kg raw	
			Cs134	1.7 Bq/Kg raw	± 1.9 Bq/Kg raw		Cs134	2.9 Bq/Kg raw	
Brown rice	Iritono, Tono, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
White rice	Yamagata	Oct-12	Cs137	1.4 Bq/Kg raw	± 1.8 Bq/Kg raw	1.4	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
White rice	Tochigi	Oct-12	Cs137	2.2 Bq/Kg raw	± 2.3 Bq/Kg raw	2.2	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
White rice	Yotsukura, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	3.4 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.1 Bq/Kg raw	
White rice	Taira, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	1.7	Cs137	7.0 Bq/Kg raw	
			Cs134	1.7 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
White rice	Misawa, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
White rice	Matsugoya, Watanabe, Iwaki	Oct-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Japanese mustard spinach	Akai, Taira, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Chinese cabbage	Misawa, Iwaki	Feb-13	Cs137	3.8 Bq/Kg raw	± 4.1 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Roasted soy bean	Akita	Feb-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Butterbur	Naraha, Futaba	Feb-13	Cs137	109 Bq/Kg raw	± 28.4 Bq/Kg raw	0.0	Cs137	8.0 Bq/Kg raw	
			Cs134	53.6 Bq/Kg raw	± 16.9 Bq/Kg raw		Cs134	8.0 Bq/Kg raw	
Shiitake mushroom	Sekimoto, Kitaibaraki	Feb-13	Cs137	382.0 Bq/Kg raw	± 76.0 Bq/Kg raw	617.0	Cs137	7.0 Bq/Kg raw	
			Cs134	235.0 Bq/Kg raw	± 47.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Mandarin orange	Akai, Taira, Iwaki	Dec-12	Cs137	16.6 Bq/Kg raw	± 4.3 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	9.2 Bq/Kg raw	± 2.8 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Mussel (raw)	Onahama, Iwaki	Feb-13	Cs137	2.3 Bq/Kg raw	± 1.8 Bq/Kg raw	4.3	Cs137	7.0 Bq/Kg raw	
			Cs134	2.0 Bq/Kg raw	± 1.6 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Mussel (boiled)	Onahama, Iwaki	Feb-13	Cs137	1.5 Bq/Kg raw	± 2.2 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	3.9 Bq/Kg raw	± 2.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Seaweed	Shiomidai, Onahama, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	2.3	Cs137	7.0 Bq/Kg raw	
			Cs134	2.3 Bq/Kg raw	± 3.5 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	

★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	
Seaweed	Nakoso, Iwaki	Feb-12	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Rigid hornwort	Shiomidai, Onahama, Iwaki	Feb-13	Cs137	2.4 Bq/Kg raw	± 4.3 Bq/Kg raw	2.4	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Flounder	Onahama, Iwaki	Feb-13	Cs137	70.5 Bq/Kg raw	± 15.0 Bq/Kg raw	113	Cs137	7.0 Bq/Kg raw	
			Cs134	42.3 Bq/Kg raw	± 9.1 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Japanese lobster	Onahama, Iwaki	Feb-13	Cs137	2.9 Bq/Kg raw	± 2.8 Bq/Kg raw	9.7	Cs137	7.0 Bq/Kg raw	
			Cs134	6.8 Bq/Kg raw	± 2.7 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
Egg	Misawa, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	6.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	4.0 Bq/Kg raw	
School lunch	Unknown	Feb-13	Cs137	1.7 Bq/Kg raw	± 2.3 Bq/Kg raw	1.7	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
School lunch	Unknown	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	7.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	6.0 Bq/Kg raw	
School lunch	Unknown	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	0.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	0.0 Bq/Kg raw	
Well water	Kamimisaka, Miwa, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	5.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	3.0 Bq/Kg raw	
Hot spring water	Kusakidai, Iwaki	Feb-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs137	2.1 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs134	1.9 Bq/Kg raw	
Pond water (soil bed)	Uwadaira, Ogawa, Iwaki	Jan-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs89	5.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs86	3.0 Bq/Kg raw	
Pond water (concrete bed)	Uwadaira, Ogawa, Iwaki	Jan-13	Cs137	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw	0.0	Cs83	5.0 Bq/Kg raw	
			Cs134	0.0 Bq/Kg raw	± 0.0 Bq/Kg raw		Cs80	3.0 Bq/Kg raw	
Garden tree · leaf chip	Kamikatayose, Taira, Iwaki	Feb-13	Cs137	234 Bq/Kg raw	± 50.0 Bq/Kg raw	377	Cs77	7.0 Bq/Kg raw	
			Cs134	143 Bq/Kg raw	± 31.0 Bq/Kg raw		Cs74	6.0 Bq/Kg raw	
Bamboo charcoal	Uwadaira, Ogawa, Iwaki	Feb-13	Cs137	495 Bq/Kg raw	± 99.0 Bq/Kg raw	779	Cs53	7.0 Bq/Kg raw	
			Cs134	284 Bq/Kg raw	± 57.0 Bq/Kg raw		Cs50	6.0 Bq/Kg raw	
Mold leaf	Akai, Taira, Iwaki	Feb-13	Cs137	4450 Bq/Kg dry	± 890 Bq/Kg dry	7,280	Cs59	7.0 Bq/Kg dry	
			Cs134	2830 Bq/Kg dry	± 570 Bq/Kg dry		Cs56	6.0 Bq/Kg dry	
Paddy field soil	Naraha, Futaba	Feb-13	Cs137	995 Bq/Kg dry	± 102 Bq/Kg dry	1,435	Cs71	8.0 Bq/Kg dry	
			Cs134	440 Bq/Kg dry	± 48.0 Bq/Kg dry		Cs68	8.0 Bq/Kg dry	
Paddy field soil	Naraha, Futaba	Feb-13	Cs137	1517 Bq/Kg dry	± 148 Bq/Kg dry	2,217	Cs65	8.0 Bq/Kg dry	
			Cs134	700 Bq/Kg dry	± 71.0 Bq/Kg dry		Cs62	8.0 Bq/Kg dry	