Radiation Measurement Results of 119 Items in March

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.

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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	
Potato	Nishigo, Nishishirakawa, Fukushima	Feb-25	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
Potato	Hokkaido	Feb-25	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	2.7 Bq/kg raw
Taro	Kitaibaraki, Ibaraki	Feb-25	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
Dried sweet potato	Kitaibaraki, Ibaraki	Feb-25	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
Pumpkin	Asaka,Koriyama, Fukushima	Feb-25	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
Turnip	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.4 Bq/kg raw
Turnip	Ouse,Koriyama, Fukushima	Feb-25	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	2.9 Bq/kg raw
Turnip (leaf)	Mihota,Koriyama, Fukushima	Feb-25	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
Japanese white radish	Konan,Koriyama, Fukushima	Feb-25	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
Carrot	Tamura,Koriyama, Fukushima	Feb-25	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
Chinese cabbage	Konan,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.5 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.1 Bq/kg raw
Lettuce	Otsuki,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	10.6 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	9.8 Bq/kg raw
Lettuce	Mihota,Koriyama, Fukushima	Feb-25	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	2.8 Bq/kg raw
Onion(leaf)	Mihota,Koriyama, Fukushima	Feb-25	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	4.5 Bq/kg raw
Broccoli	Tamura,Koriyama, Fukushima	Feb-25	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
Apple	Sukagawa, Fukushima	Feb-25	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
Kiwi fruit	Tamura,Fukushima	Feb-25	Cs137	1.8 Bq/kg raw	±	1.0 Bq/kg raw	1.8	Cs137	1.3 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.

Mothers' Radiation Lab Fukushima

Measurement results of 16 items by germanium semiconductor detector

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

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

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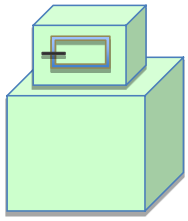

Measuring instrument：Germanium Semiconductor detector

・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	Nakata,Koriyama, Fukushima	Dec-24	OR	Cs137	0.06 Bq/kg raw	± 0.04 Bq/kg raw	0.06	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Potato	Miyakoji,Tamura Fukushima	Dec-24	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
Potato	Koriyama, Fukushima	Nov-24	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Pumpkin	Tomioka,Futaba, Fukushima	Nov-24	OR	Cs137	3.40 Bq/kg raw	± 0.10 Bq/kg raw	3.4	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Green onion	Kakuta, Miyagi	Nov-24	OR	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Burdock	Samegawa, Higashishirakawa, Fukushima	Dec-24	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
Green bean	Kakuta, Miyagi	Nov-24	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
Dried stems of taro	Tamura,Koriyama, Fukushima	Dec-24	OR	Cs137	0.48 Bq/kg raw	± 0.17 Bq/kg raw	0.48	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Yuzu	Nihonmatsu, Fukushima	Dec-24	OR	Cs137	0.6 Bq/kg raw	± 0.07 Bq/kg raw	0.6	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Apple	Katsurao,Futaba, Fukushima	Nov-24	CA	Cs137	0.26 Bq/kg raw	± 0.08 Bq/kg raw	0.26	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Laurel	Minamiaizu, Fukushima	Oct-24	CA	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		Bq/kg raw
Perilla	Kawauchi,Futaba, Fukushima	Oct-24	OR	Cs137	1.80 Bq/kg raw	± 0.40 Bq/kg raw	1.8	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Red bean	Motomiya, Fukushima	Oct-24	CA	Cs137	— Bq/kg raw	± — Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw
Mukitake	Marumori,Igu, Miyagi	Nov-24	CA	Cs137	10.0 Bq/kg raw	± 0.1 Bq/kg raw	10.1	Cs137		Bq/kg raw
				Cs134	0.1 Bq/kg raw	± 0.06 Bq/kg raw		Cs134		Bq/kg raw
Shitake mushroom log grown	Kakuta, Miyagi	Nov-24	OR	Cs137	17.5 Bq/kg raw	± 0.3 Bq/kg raw	17.6	Cs137		Bq/kg raw
				Cs134	0.1 Bq/kg raw	± 0.06 Bq/kg raw		Cs134		Bq/kg raw
Shitake mushroom grown in bacteria-bed	Koriyama, Fukushima	Dec-24	CA	Cs137	5.3 Bq/kg raw	± 0.1 Bq/kg raw	5.3	Cs137		Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134		Bq/kg raw

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(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	
Leek	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.8 Bq/kg raw
Spinach	Tamura,Koriyama, Fukushima	Feb-25	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	2.4 Bq/kg raw
Spinach	Tamura,Fukushima	Mar-25	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	2.7 Bq/kg raw
Spinach	Mihota,Koriyama, Fukushima	Jan-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.8 Bq/kg dry
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.4 Bq/kg dry
Qing-geng-cai	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.9 Bq/kg raw
Qing-geng-cai	Minato,Tamura, Fukushima	Mar-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.7 Bq/kg raw
Japanese mustard spinach	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.6 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.2 Bq/kg raw
Japanese mustard spinach	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.2 Bq/kg raw
Wasabi greens	Mihota,Koriyama, Fukushima	Feb-25	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	2.9 Bq/kg raw
Mustard greens	Iwaki City	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.6 Bq/kg dry
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.2 Bq/kg dry
Purple-stem mustard	Asaka,Koriyama, Fukushima	Feb-25	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	3.7 Bq/kg raw
Japanese parsley	Kitaibaraki, Ibaraki	Feb-25	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
Udo	Samekawa, Higashishirakawa, Fukushima	Feb-25	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	1.4 Bq/kg raw
Garland chrysanthemum	funehiki, tamura, fukushima	Mar-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.5 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	4.1 Bq/kg raw
Garland chrysanthemum	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	5.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	5.3 Bq/kg raw
Butterbur sprout(wild)	Mihota,Koriyama, Fukushima	Feb-25	Cs137	18.5 Bq/kg raw	±	4.0 Bq/kg raw	18.5	Cs137	3.6 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.9 Bq/kg raw
Canola flower	Mihota,Koriyama, Fukushima	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.0 Bq/kg raw
fried tofu	Koriyama, Fukushima	Feb-25	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	2.3 Bq/kg raw
Nameko mushroom	Otsuki, Koriyama, Fukushima	Feb-25	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
Maitake mushroom	Koriyama, Fukushima	Feb-25	Cs137	4.0 Bq/kg raw	±	2.1 Bq/kg raw	4.0	Cs137	2.7 Bq/kg dry
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.2 Bq/kg dry
Shitake mushroom log grown	Nakata, Koriyama, Fukushima	Feb-25	Cs137	4.7 Bq/kg raw	±	1.8 Bq/kg raw	4.7	Cs137	2.1 Bq/kg dry
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.8 Bq/kg dry
Shitake mushroom grown in bacteria-bed	Kitaibaraki, Ibaraki	Feb-25	Cs137	14.0 Bq/kg raw	±	2.7 Bq/kg raw	14.0	Cs137	2.4 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.8 Bq/kg raw
Shitake mushroom grown in bacteria-bed(dried)	Kitaibaraki, Ibaraki	Feb-25	Cs137	63.4 Bq/kg raw	±	14.5 Bq/kg raw	63.4	Cs137	13.7 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	11.0 Bq/kg raw
Moss	Izumigaoka, Iwakishi	Feb-25	Cs137	255.0 Bq/kg dry	±	51.0 Bq/kg dry	255.0	Cs137	19.0 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	15.2 Bq/kg dry
Soil	Miharu, Tamura, Fukushima	Jan-25	Cs137	5030.0 Bq/kg dry	±	509.0 Bq/kg dry	5099.7	Cs137	4.5 Bq/kg dry
			Cs134	69.7 Bq/kg dry	±	7.9 Bq/kg dry		Cs134	4.4 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.

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(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	Miharu, Tamura, Fukushima	Jan-25	Cs137	2200.0 Bq/kg dry	±	223.0 Bq/kg dry	2224.1	Cs137	2.8 Bq/kg dry
			Cs134	24.1 Bq/kg dry	±	3.1 Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil	Miharu, Tamura, Fukushima	Jan-25	Cs137	326.0 Bq/kg dry	±	34.6 Bq/kg dry	326.0	Cs137	4.9 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	4.6 Bq/kg dry
Soil	Miharu, Tamura, Fukushima	Jan-25	Cs137	280.0 Bq/kg dry	±	29.4 Bq/kg dry	280.0	Cs137	3.2 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	2.9 Bq/kg raw
Soil	Miharu, Tamura, Fukushima	Jan-25	Cs137	200.0 Bq/kg dry	±	20.7 Bq/kg dry	200.0	Cs137	1.9 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil	Miharu, Tamura, Fukushima	Jan-25	Cs137	190.0 Bq/kg dry	±	20.3 Bq/kg dry	190.0	Cs137	3.3 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	3.0 Bq/kg dry
Soil	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	491.0 Bq/kg dry	±	51.3 Bq/kg dry	491.0	Cs137	5.0 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	4.6 Bq/kg dry
Soil	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	431.0 Bq/kg dry	±	44.9 Bq/kg dry	431.0	Cs137	4.1 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	3.7 Bq/kg dry
Soil	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	242.0 Bq/kg dry	±	25.1 Bq/kg dry	242.0	Cs137	1.9 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (entrance)	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	154.0 Bq/kg dry	±	16.7 Bq/kg dry	154.0	Cs137	3.4 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	2.9 Bq/kg dry
Soil	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	112.0 Bq/kg dry	±	11.9 Bq/kg dry	112.0	Cs137	2.0 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	1.8 Bq/kg dry
Soil (under the swing)	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	104.0 Bq/kg dry	±	11.0 Bq/kg dry	104.0	Cs137	1.7 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	1.5 Bq/kg dry
Soil	Rokutanda children's playground, Uchigo,Iwaki	Jan-25	Cs137	22.7 Bq/kg dry	±	2.9 Bq/kg dry	22.7	Cs137	2.2 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	2.8 Bq/kg dry
Soil	nichomechildren's playground,Uchigo,Iwaki	Jan-25	Cs137	478.0 Bq/kg dry	±	50.3 Bq/kg dry	478.0	Cs137	5.6 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	5.1 Bq/kg dry
Soil	Takasaka-nichyome children's playground,Uchigo,Iwaki	Jan-25	Cs137	82.6 Bq/kg dry	±	9.1 Bq/kg dry	82.6	Cs137	2.1 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	2.6 Bq/kg dry
Soil (entrance)	Takasaka-nichyome children's playground,Uchigo,Iwaki	Jan-25	Cs137	533.0 Bq/kg dry	±	55.8 Bq/kg dry	539.4	Cs137	3.3 Bq/kg dry
			Cs134	6.4 Bq/kg dry	±	1.6 Bq/kg dry		Cs134	3.9 Bq/kg dry
Soil (under the horizontal bar)	Takasaka-nichyome children's playground,Uchigo,Iwaki	Jan-25	Cs137	117.0 Bq/kg dry	±	12.7 Bq/kg dry	117.0	Cs137	2.4 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	3.0 Bq/kg dry
Soil (under the swing)	Takasaka-nichyome children's playground,Uchigo,Iwaki	Jan-25	Cs137	527.0 Bq/kg dry	±	55.2 Bq/kg dry	536.0	Cs137	3.2 Bq/kg dry
			Cs134	9.0 Bq/kg dry	±	1.9 Bq/kg dry		Cs134	3.7 Bq/kg dry
Soil (under the bench ①)	Takasaka-nichyome children's playground,Uchigo,Iwaki	Jan-25	Cs137	292.0 Bq/kg dry	±	31.0 Bq/kg dry	292.0	Cs137	4.4 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	4.0 Bq/kg dry
Soil (under the bench ②)	Takasaka-nichyome children's playground,Uchigo,Iwaki	Jan-25	Cs137	413.0 Bq/kg dry	±	43.5 Bq/kg dry	413.0	Cs137	5.3 Bq/kg dry
			Cs134	— Bq/kg dry	±	— Bq/kg dry		Cs134	4.7 Bq/kg dry

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★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	Nihonnmatsu, Fukushima	Oct-24	CA	Cs137	0.91	Bq/kg raw	±	0.02	Bq/kg raw	0.91	Cs137	0.06	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.06	Bq/kg raw
Rice	Kawanuma, Yugawamura, Fukushima	Oct-24	OR	Cs137	0.10	Bq/kg raw	±	0.02	Bq/kg raw	0.10	Cs137	0.04	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.05	Bq/kg raw
Ume(flower)	Izumigaoka, Iwaki	Mar-25	OR	Cs137	2.2	Bq/kg raw	±	0.1	Bq/kg raw	2.2	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.2	Bq/kg raw
Loquat(flower)	Iwaki City	Mar-25	CA	Cs137	8.7	Bq/kg raw	±	0.4	Bq/kg raw	8.7	Cs137	0.8	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.7	Bq/kg raw
beef(thigh)	Fukushima Pref.	Feb-25	CA	Cs137	0.22	Bq/kg raw	±	0.07	Bq/kg raw	0.22	Cs137	0.14	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.13	Bq/kg raw
Beef (shreds)	Japan (production)	Feb-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.38	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.36	Bq/kg raw
beef (shin meat)	gunnma Pref.	Feb-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.15	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.14	Bq/kg raw
Chicken(fillet)	Japan (production)	Feb-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.21	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.22	Bq/kg raw
Chicken(thigh)	Fukushima Pref.	Feb-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.12	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.13	Bq/kg raw
Chicken(thigh)	Japan (production)	Feb-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.21	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.22	Bq/kg raw
Chicken(thigh)	Japan (production)	Feb-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.19	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.21	Bq/kg raw
Chicken(gizzard)	Japan (production)	Feb-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
Pork (loin)	Fukushima Pref.	Mar-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.27	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.25	Bq/kg raw
Pork (loin)	Japan (production)	Feb-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.3	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.4	Bq/kg raw
Pork(thigh)	yamagata Pref.	Mar-25	OR	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
Pork (tongue)	Japan (production)	Feb-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.39	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.36	Bq/kg raw
Pork(liver)	Japan (production)	Feb-25	CA	Cs137	—	Bq/kg raw	±	—	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.23	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.22	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.50	Bq/kg raw	±	0.10	Bq/kg raw	0.5	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.4	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.40	Bq/kg raw	±	0.10	Bq/kg raw	0.4	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.2	Bq/kg raw

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

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

Mothers' Radiation Lab Fukushima

★Gamma-ray

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

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result			Uncertainty			Total Amount of Cesium	Minimum Limit of Detection		
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.56	Bq/kg raw	±	0.09	Bq/kg raw	0.56	Cs137	0.17	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.21	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.46	Bq/kg raw	±	0.07	Bq/kg raw	0.46	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.50	Bq/kg raw	±	0.10	Bq/kg raw	0.5	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.2	Bq/kg raw
White rockfish five fish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.42	Bq/kg raw	±	0.05	Bq/kg raw	0.42	Cs137	0.09	Bq/kg raw
				Cs134	–	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.09	Bq/kg raw
White rockfish five fish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.40	Bq/kg raw	±	—	Bq/kg raw	0.40	Cs137	0.08	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.08	Bq/kg raw
Fox jacopever	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	0.83	Bq/kg raw	±	0.08	Bq/kg raw	0.83	Cs137	0.1	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.1	Bq/kg raw
Fox jacopever	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.8	Bq/kg raw	±	0.1	Bq/kg raw	0.8	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
pufferfish	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	0.48	Bq/kg raw	±	0.09	Bq/kg raw	0.48	Cs137	0.18	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.18	Bq/kg raw
Sea water A (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	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
Sea water A (surface) Suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.02	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.02	Bq/L
Sea water A (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.004	Bq/L	±	0.001	Bq/L	0.004	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water A (lower) Suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	0.005	Bq/L	±	0.001	Bq/L	0.005	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water B (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	0.01	Bq/L	±	0.001	Bq/L	0.01	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water B (surface) Suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water B (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	OR	Cs137	0.003	Bq/L	±	0.0009	Bq/L	0.003	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.003	Bq/L
Sea water B (lower) Suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	0.008	Bq/L	±	0.001	Bq/L	0.008	Cs137	0.002	Bq/L
				Cs134	–	Bq/L	±	–	Bq/L		Cs134	0.002	Bq/L
Sea water C (surface) suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.002	Bq/L
				Cs134	–	Bq/L	±	–	Bq/L		Cs134	0.002	Bq/L
Sea water C (lower) suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water D(surface) suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water D (lower) suspended solid	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	CA	Cs137	—	Bq/L	±	—	Bq/L	Under Minimum Limit of Detection	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water suspended solid	Tomioka Port/Fukushima Pref.	Mar-25	CA	Cs137	0.008	Bq/L	±	0.001	Bq/L	0.008	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Soil	Miharu, Tamura, Fukushima	Jan-25	CA	Cs137	448.4	Bq/kg dry	±	5.7	Bq/kg dry	455.1	Cs137	2.1	Bq/kg dry
				Cs134	6.7	Bq/kg dry	±	0.8	Bq/kg dry		Cs134	2.2	Bq/kg dry
Soil	Takasaka-nichome children's playground, Uchigo, Iwaki	Mar-25	CA	Cs137	361.8	Bq/kg dry	±	5.2	Bq/kg dry	366.8	Cs137	1.9	Bq/kg dry
				Cs134	5.0	Bq/kg dry	±	0.8	Bq/kg dry		Cs134	2.1	Bq/kg dry
Soil	Takasaka-nichome children's playground, Uchigo, Iwaki	Mar-25	CA	Cs137	674.7	Bq/kg dry	±	7.3	Bq/kg dry	683.9	Cs137	2.4	Bq/kg dry
				Cs134	9.2	Bq/kg dry	±	1.1	Bq/kg dry		Cs134	2.7	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.

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★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex **HIDEX 300SLL**	Product of PerkinElmer Japan **Quantulus GCT 6220**	Equipment for measuring low-energy beta-ray emission nuclides Measuring nuclide Strontium90 Half-life 30 years Organic bound tritium Harf-life 12.3 years Free-water tritium Harf-life 12.3 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
Black rockfish ⑨	Off the coast of Fukushima Nuclear Power Plant 1	Jul-24	T(Organically bound)	Under Minimum Limit of Detection Bq/kg raw	± - Bq/kg raw	0.07 Bq/kg raw
Sea water (surface)	Kumagawa Estuary/Fukushima Pref.	May-24	T(free)	0.17 Bq/L	± 0.05 Bq/L	0.04 Bq/L
Sea water (surface)	Otozawa Beach, Fukushima Pref.	May-24	T(free)	0.16 Bq/L	± 0.04 Bq/L	0.04 Bq/L
Sea water (surface)	Yotsukura Port, Fukushima Pref.	Jun-24	T(free)	0.11 Bq/L	± 0.04 Bq/L	0.04 Bq/L
Sea water (surface)	Ena Port, Fukushima Pref.	Jun-24	T(free)	0.10 Bq/L	± 0.04 Bq/L	0.04 Bq/L
Sea water (surface)	Onahama Port, Fukushima Pref.	Jun-24	T(free)	0.09 Bq/L	± 0.05 Bq/L	0.04 Bq/L
River water	Takayama, Gifu Pref.	Jul-22	T(free)	0.62 Bq/L	± 0.39 Bq/L	0.38 Bq/L
River water	Matsumoto, Nagano Pref.	Jul-22	T(free)	0.68 Bq/L	± 0.39 Bq/L	0.38 Bq/L
lake water (surface)	Lake Hibara, Fukushima Pref.	Oct-22	T(free)	0.80 Bq/L	± 0.40 Bq/L	0.39 Bq/L
lake water (lower)	Lake Hibara, Fukushima Pref.	Oct-22	T(free)	0.60 Bq/L	± 0.40 Bq/L	0.40 Bq/L
Tap water	Sendai, Miyagi Pref.	Jun-24	T(free)	0.52 Bq/L	± 0.40 Bq/L	0.39 Bq/L
Tap water	Kanazawa, Ishikawa Pref.	Jul-22	T(free)	0.92 Bq/L	± 0.40 Bq/kg dry	0.38 Bq/L
Tap water	Nagoya, Aichi Pref.	Jul-22	T(free)	0.58 Bq/L	± 0.39 Bq/kg dry	0.38 Bq/L
Tap water	Kure, Hiroshima Pref.	Aug-22	Sr90	0.50 Bq/L	± 0.39 Bq/kg dry	0.39 Bq/L
Tap water	Tanzawa, Kanagawa Pref.	Mar-24	Sr90	0.42 Bq/L	± 0.3800 Bq/L	0.38 Bq/L

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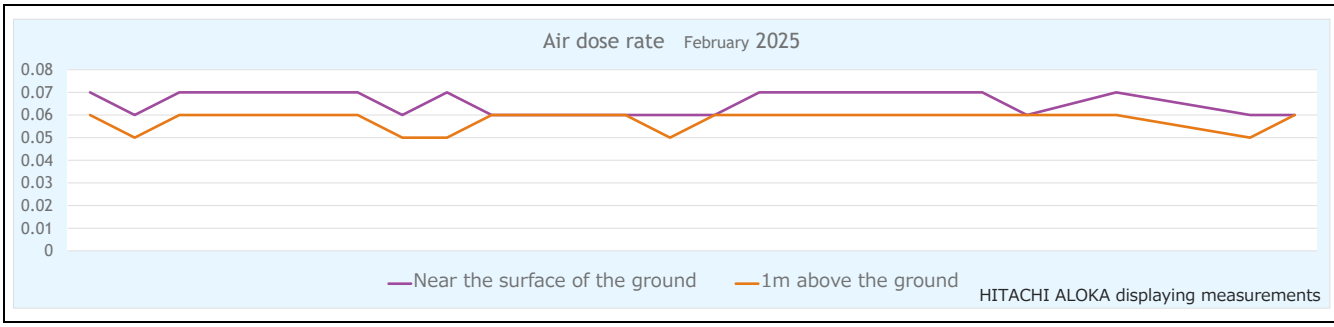
Air dose rate March 2025

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



Measuring Date	Measuring instrument Weather	HORIBA Radi Near the surface of the ground (μSv/h)	HORIBA Radi 1m above the ground (μSv/h)
2025/3/3		0.067	0.065
2025/3/4		0.072	0.061
2025/3/5		0.072	0.065
2025/3/6		0.077	0.063
2025/3/7		0.065	0.063
Measuring Date	**Weather**	**Near the surface of the ground (μSv/h)**	**1m above the ground (μSv/h)**
2025/3/10		0.067	0.058
2025/3/11		0.067	0.063
2025/3/12		0.069	0.063
2025/2/13		0.065	0.061
2025/3/14		0.068	0.062
Measuring Date	**Weather**	**Near the surface of the ground (μSv/h)**	**1m above the ground (μSv/h)**
2025/3/17		0.065	0.065
2025/3/18		0.066	0.062
2025/3/19		0.065	0.061
2025/3/21		0.071	0.063
Measuring Date	**Weather**	**Near the surface of the ground (μSv/h)**	**1m above the ground (μSv/h)**
2025/3/24		0.074	0.065
2025/3/25		0.067	0.060
2025/3/26		0.060	0.056
2025/3/27		0.070	0.061
2025/3/28		0.068	0.062
2025/3/31		0.073	0.061

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