Radiation Measurement Results of 126 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※
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	
Taro	Otsuki,Koriyama, Fukushima Pref.	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
Sweet potato	Funehiki,Tamura, Fukushima Pref.	Mar-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	2.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	2.0 Bq/kg raw
Turnip	Sendai, Miyagi Pref.	Apr-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	3.2 Bq/kg raw
radish	Simomasuda,Natori, Miyagi Pref.	Apr-25	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
Spinach	Iwaki,City	Apr-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	Iwaki,City	Apr-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	4.8 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.8 Bq/kg raw
Canola flower	Iwaki,City	Apr-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	1.5 Bq/kg raw
Broccoli	Iwaki,City	Apr-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	3.0 Bq/kg raw
Broccoli	Medeshima,Natori, Miyagi Pref.	Apr-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	3.1 Bq/kg raw
Cauliflower	Iwaki,City	Apr-25	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
Butterbur sprout	Iwaki,City	Apr-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
Dried Japanese radish	Kitaibaragi, Ibaragi Pref.	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	3.9 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	3.2 Bq/kg raw
Butterbur sprout	Yamagata Pref.	Apr-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
Kiwi fruit	Koriyama、 Fukushima Pref.	Feb-25	Cs137	— Bq/kg raw	±	— Bq/kg raw	Under Minimum Limit of Detection	Cs137	1.2 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.0 Bq/kg raw
Soybeans	Hokkaido pref.	Feb-25	Cs137	2.0 Bq/kg raw	±	0.8 Bq/kg raw	2.0	Cs137	1.0 Bq/kg raw
			Cs134	— Bq/kg raw	±	— Bq/kg raw		Cs134	1.0 Bq/kg raw
Buckwheat flour	Konan,Koriyama, Fukushima Pref.	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	2.1 Bq/kg raw
Sake lees	Koriyama, Fukushima Pref。	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	2.0 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		
Aralia sprout root	Iwaki,City	Apr-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	3.0	Bq/kg raw
Soil	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	1050.0	Bq/kg dry	±	107.0	Bq/kg dry	1063.5	Cs137	1.9	Bq/kg dry
			Cs134	13.5	Bq/kg dry	±	1.8	Bq/kg dry		Cs134	2.1	Bq/kg dry
Soil (under the bench)	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	514.0	Bq/kg dry	±	53.6	Bq/kg dry	521.4	Cs137	2.7	Bq/kg dry
			Cs134	7.4	Bq/kg dry	±	1.4	Bq/kg dry		Cs134	2.7	Bq/kg dry
Soil	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	463.0	Bq/kg dry	±	48.6	Bq/kg dry	463.0	Cs137	5.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	4.9	Bq/kg dry
Soil	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	424.0	Bq/kg dry	±	44.8	Bq/kg dry	424.0	Cs137	5.6	Bq/kg dry
			Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	5.1	Bq/kg dry
Soil (under the swing)	Takasaka children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	424.0	Bq/kg dry	±	44.4	Bq/kg dry	424.0	Cs137	4.8	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	4.4	Bq/kg dry
Soil	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	421.0	Bq/kg dry	±	44.6	Bq/kg dry	421.0	Cs137	6.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	5.6	Bq/kg dry
Soil	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	306.0	Bq/kg dry	±	32.8	Bq/kg dry	306.0	Cs137	5.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	4.9	Bq/kg dry
Soil (climb the slide)	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	274.0	Bq/kg dry	±	28.7	Bq/kg dry	274.0	Cs137	3.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	3.1	Bq/kg dry
Soil (under the slide)	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	232.0	Bq/kg dry	±	24.6	Bq/kg dry	232.0	Cs137	3.8	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	3.4	Bq/kg dry
Soil	Takasaka-nichome children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	53.3	Bq/kg dry	±	5.7	Bq/kg dry	53.3	Cs137	1.2	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.5	Bq/kg dry
Soil	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	1010.0	Bq/kg dry	±	102.0	Bq/kg dry	1183.0	Cs137	1.8	Bq/kg dry
			Cs134	173.0	Bq/kg dry	±	18.1	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil (under the bench)	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	284.0	Bq/kg dry	±	29.8	Bq/kg dry	284.0	Cs137	3.4	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.5	Bq/kg dry
Soil	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	240.0	Bq/kg dry	±	24.9	Bq/kg dry	240.0	Cs137	2.2	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.6	Bq/kg dry
Soil	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	238.0	Bq/kg dry	±	25.4	Bq/kg dry	238.0	Cs137	4.2	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	3.9	Bq/kg dry
Soil	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	219.0	Bq/kg dry	±	22.7	Bq/kg dry	219.0	Cs137	2.0	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.4	Bq/kg dry
Soil	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	199.0	Bq/kg dry	±	21.4	Bq/kg dry	199.0	Cs137	3.8	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.8	Bq/kg dry
Soil (Sandbox)	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	78.2	Bq/kg dry	±	8.2	Bq/kg dry	78.2	Cs137	1.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	0.8	Bq/kg dry
Soil (under the swing)	Rokutanda children's Amusement Park 2, Uchigou,Iwaki	Jan-25	Cs137	65.6	Bq/kg dry	±	7.3	Bq/kg dry	65.6	Cs137	1.9	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.9	Bq/kg dry
Soil	Sunada Park Uchigou,Iwaki	Jan-25	Cs137	1050.0	Bq/kg dry	±	109.0	Bq/kg dry	1067.7	Cs137	4.3	Bq/kg dry
			Cs134	17.7	Bq/kg dry	±	3.0	Bq/kg dry		Cs134	5.3	Bq/kg dry
Soil	Sunako Park Uchigou,Iwaki	Jan-25	Cs137	1040.0	Bq/kg dry	±	107.0	Bq/kg dry	1059.1	Cs137	2.9	Bq/kg dry
			Cs134	19.1	Bq/kg dry	±	2.8	Bq/kg dry		Cs134	3.5	Bq/kg dry
Soil	Sanzokucho Park Tairayagawase,Iwaki	Mar-25	Cs137	3530.0	Bq/kg dry	±	358.0	Bq/kg dry	3561.9	Cs137	4.9	Bq/kg dry
			Cs134	31.9	Bq/kg dry	±	4.1	Bq/kg dry		Cs134	3.9	Bq/kg dry
Soil	Sanzokucho Park Tairayagawase,Iwaki	Mar-25	Cs137	914.0	Bq/kg dry	±	92.7	Bq/kg dry	1003.4	Cs137	1.7	Bq/kg dry
			Cs134	89.4	Bq/kg dry	±	9.5	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil	Sanzokucho Park Tairayagawase,Iwaki	Mar-25	Cs137	669.0	Bq/kg dry	±	69.1	Bq/kg dry	669.0	Cs137	4.2	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	3.1	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	Sanzokucho Park Tairayagawase,Iwaki	Mar-25	Cs137	138.0	Bq/kg dry	±	14.9	Bq/kg dry	138.0	Cs137	3.1	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.3	Bq/kg dry
Soil	Sanzokucho Park Tairayagawase,Iwaki	Mar-25	Cs137	54.7	Bq/kg dry	±	6.3	Bq/kg dry	54.7	Cs137	2.5	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil	Nakoso,Iwaki	Apr-25	Cs137	163.0	Bq/kg dry	±	17.6	Bq/kg dry	163.0	Cs137	3.2	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	2.4	Bq/kg raw
Soil	Nakoso,Iwaki	Apr-25	Cs137	16.2	Bq/kg dry	±	1.9	Bq/kg dry	16.2	Cs137	1.9	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	1.8	Bq/kg dry
Soil	Nakoso,Iwaki	Apr-25	Cs137	—	Bq/kg dry	±	—	Bq/kg dry	Under Minimum Limit of Detection	Cs137	0.7	Bq/kg dry
			Cs134	—	Bq/kg dry	±	—	Bq/kg dry		Cs134	0.9	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.	Food (Sample 2kg)	Lower limit 0.04Bq/Kg
		Quantitative analysis based on "Gamma-ray spectrometry with germanium semiconductor detector."	Soil (Sample 1kg)	Lower limit 0.06Bq/Kg
			Material (Sample 1kg)	Lower limit 0.06Bq/Kg
		・ORTEC GEM30-70 Relative efficiency 35%	Water (Sample 20L)	Lower limit 0.001Bq/L
		・CANBERRA GC4020 Relative efficiency 43%		

※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	Bandai,Yama, Fukushima Pref.	Oct-24	CA	Cs137	0.49 Bq/kg raw	± 0.02	Bq/kg raw	0.49	Cs137	0.04 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.06 Bq/kg raw
Savoy cabbage	Sendai Miyagi Pref.	Apr-25	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	0.2 Bq/kg raw
Spinach	Natori Miyagi Pref.	Apr-25	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	0.4 Bq/kg raw
Japanese mustard spinach	Natori Miyagi Pref.	Apr-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
Canola flower	Nishiki Iwaki	Apr-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	0.3 Bq/kg raw
Tsubomina	Natori Miyagi Pref.	Apr-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
Yukina flower	Miyagi Pref	Apr-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	0.3 Bq/kg raw
Cucumber	Miyagi Pref	Apr-25	OR	Cs137	— Bq/kg raw	± —	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.09 Bq/kg raw
Green onion	Namie,Futaba, Fukushima Pref.	Apr-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
Bean sprout	Souma Fukushima pref.	Apr-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	0.2 Bq/kg raw
Celery	Miyama Fukuoka Pref.	Apr-25	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	0.2 Bq/kg raw
Dried sweet potato	Naraha,Futaba, Fukushima Pref.	Mar-25	CA	Cs137	3.5 Bq/kg raw	± 0.2	Bq/kg raw	3.5	Cs137	0.4 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.4 Bq/kg raw
Red kidney bean	Funehiki,Tamura, Fukushima Pref.	Feb-25	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	0.3 Bq/kg raw
Aralia sprout (wild)	Naraha,Futaba, Fukushima Pref.	Apr-25	OR	Cs137	6.3 Bq/kg raw	± 0.1	Bq/kg raw	6.3	Cs137	0.1 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.1 Bq/kg raw
Warabi (boiled, wild)	Naraha,Futaba, Fukushima Pref.	Apr-25	OR	Cs137	1.3 Bq/kg raw	± 0.06	Bq/kg raw	1.3	Cs137	0.09 Bq/kg raw
				Cs134	— Bq/kg raw	± —	Bq/kg raw		Cs134	0.09 Bq/kg raw
Warabi	Yamagata Pref.	Apr-25	CA	Cs137	2.9 Bq/kg raw	± 0.09	Bq/kg raw	2.9	Cs137	0.1 Bq/kg raw
				Cs134	– Bq/kg raw	± –	Bq/kg raw		Cs134	0.1 Bq/kg raw
Japanese parsley	Natori Miyagi Pref.	Apr-25	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	0.2 Bq/kg raw
Butterbur sprout	Yamagata Pref.	Apr-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
Mountain udo	Tochigi Pref.	Apr-25	OR	Cs137	2.0 Bq/kg raw	± 0.08	Bq/kg raw	2.0	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.

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		
Hosta	Syounai Yamagata Pref.	Apr-25	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	0.2	Bq/kg raw
Bamboo shoot (boiled)	Japan (production)	Apr-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
Shitake mushroom log grown (powder)	Iwakishi City	Apr-25	CA	Cs137	35.0	Bq/kg raw	±	1.2	Bq/kg raw	35.0	Cs137	1.7	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	1.7	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	CA	Cs137	0.5	Bq/kg raw	±	0.1	Bq/kg raw	0.5	Cs137	0.3	Bq/kg raw
				Cs134	–	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.2	Bq/kg raw
White rockfish	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	OR	Cs137	0.4	Bq/kg raw	±	0.1000	Bq/kg raw	0.4	Cs137	0.2	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.2	Bq/kg raw
Black sebastes	Sendai Bay, Miyagi	Apr-25	CA	Cs137	0.53	Bq/kg raw	±	0.04	Bq/kg raw	0.53	Cs137	0.06	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.06	Bq/kg raw
White rockfish	Sendai Bay, Miyagi	Apr-25	CA	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
White rockfish	Sendai Bay, Miyagi	Apr-25	CA	Cs137	0.2	Bq/kg raw	±	0.07	Bq/kg raw	0.2	Cs137	0.1	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.1	Bq/kg raw
White rockfish	Sendai Bay, Miyagi	Apr-25	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	0.3	Bq/kg raw
White rockfish	Sendai Bay, Miyagi	Apr-25	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	0.3	Bq/kg raw
White rockfish	Sendai Bay, Miyagi	Apr-25	CA	Cs137	–	Bq/kg raw	±	–	Bq/kg raw	Under Minimum Limit of Detection	Cs137	0.2	Bq/kg raw
				Cs134	—	Bq/kg raw	±	—	Bq/kg raw		Cs134	0.2	Bq/kg raw
Sea water C (surface)	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	OR	Cs137	0.003	Bq/L	±	0.001	Bq/L	0.003	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water C (lower)	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	OR	Cs137	0.002	Bq/L	±	0.0009	Bq/L	0.002	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	OR	Cs137	0.002	Bq/L	±	0.001	Bq/L	0.002	Cs137	0.001	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant1	Mar-25	OR	Cs137	0.003	Bq/L	±	0.001	Bq/L	0.003	Cs137	0.002	Bq/L
				Cs134	—	Bq/L	±	—	Bq/L		Cs134	0.002	Bq/L
Sea water	Tomioka Port Fukushima Pref.	Mar-25	OR	Cs137	0.01	Bq/L	±	0.0	Bq/L	0.01	Cs137	0.002	Bq/L
				Cs134	–	Bq/L	±	–	Bq/L		Cs134	0.002	Bq/L
Cat litter	Unknown	Mar-25	CA	Cs137	0.75	Bq/kg raw	±	0.02	Bq/kg raw	0.75	Cs137	0.03	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.03	Bq/kg raw
Aquatic plants	Iwakishi City	Apr-25	OR	Cs137	16.7	Bq/kg raw	±	0.8	Bq/kg raw	16.7	Cs137	2.3	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	2.7	Bq/kg raw
Ash	Nagano Pref.	Mar-25	OR	Cs137	1.0	Bq/kg raw	±	0.4	Bq/kg raw	1.0	Cs137	0.7	Bq/kg raw
				Cs134	–	Bq/kg raw	±	–	Bq/kg raw		Cs134	0.7	Bq/kg raw
Soil	Sanzokucho Park Tairayagawase, Iwaki	Mar-25	OR	Cs137	517.00	Bq/kg乾	±	5.20	Bq/kg乾	524.4	Cs137	1.6	Bq/kg乾
				Cs134	7.4	Bq/kg乾	±	1.1	Bq/kg乾		Cs134	2.0	Bq/kg乾
Soil	Sanzokucho Park Tairayagawase, Iwaki	Mar-25	OR	Cs137	432.00	Bq/kg乾	±	4.5	Bq/kg乾	437.6	Cs137	1.5	Bq/kg乾
				Cs134	5.6	Bq/kg乾	±	0.8	Bq/kg乾		Cs134	1.5	Bq/kg乾
Soil	Sunagoda Park Uchigoutakasaka, Iwaki	Jan-25	OR	Cs137	706.0	Bq/kg乾	±	7.7	Bq/kg乾	716.5	Cs137	3.0	Bq/kg乾
				Cs134	10.5	Bq/kg乾	±	1.5	Bq/kg乾		Cs134	2.7	Bq/kg乾
Soil	Sunagoda Park Uchigoutakasaka, Iwaki	Jan-25	CA	Cs137	706.0	Bq/kg乾	±	7.7	Bq/kg乾	714.9	Cs137	2.7	Bq/kg乾
				Cs134	8.9	Bq/kg乾	±	1.5	Bq/kg乾		Cs134	2.7	Bq/kg乾

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

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

Mothers' Radiation Lab Fukushima

★Beta-ray

Measuring instrument		Feature
Liquid Scintillation Counter		
Product of Hidex **HIDEX 300SLL**	Product of PerkinElmer Japan **Quantulus GCT 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 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	Off the coast of Fukushima Nuclear Power Plant 1	Jul-24	T(Organic bound)	Under Minimum Limit of Detection Bq/kg raw	± -	Bq/kg raw	0.07	Bq/kg raw
Sea water (surface)	Hamaichi coast/ Miyagi Pref.	Jun-24	T(Free)	0.16 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Watariarahama beach/ Miyagi Pref.	Jun-24	T(Free)	0.19 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Sendai new port/ Miyagi Pref.	Jul-24	T(Free)	0.12 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Hamaichi offing/ Miyagi Pref.	Sep-24	T(free)	0.27 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (lower)	Hamaichi offing/ Miyagi Pref.	Sep-24	T(free)	0.18 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (surface)	Sendai Shinko offshore/ Miyagi Perf.	Sep-24	T(free)	0.22 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (lower)	Sendai Shinko offshore Miyagi	Sep-24	T(free)	0.15 Bq/L	± 0.04	Bq/L	0.04	Bq/L
Sea water (surface)	Abukumagawa Off the river mouth/ Miyagi	Sep-24	T(free)	0.27 Bq/L	± 0.05	Bq/L	0.04	Bq/L
Sea water (lower)	Abukumagawa Off the river mouth/ Miyagi	Sep-24	T(free)	0.15 Bq/L	± 0.04	Bq/L	0.04	Bq/L
River water	Turuoka Yamagata Pref.	Jun-22	T(free)	0.78 Bq/L	± 0.40	Bq/L	0.39	Bq/L
River water	Tanabe Wakayama Pref.	Jul-22	T(free)	0.60 Bq/L	± 0.40	Bq/L	0.39	Bq/L
River water	Tadami Minamiaizu Fkushima Pref.	May-23	T(free)	0.42 Bq/L	± 0.40	Bq/L	0.39	Bq/L
Tap water	Kawasaki Kanagawa Pref.	Jun-22	T(free)	0.68 Bq/L	± 0.40	Bq/L	0.39	Bq/L
Tap water	Toshima-ku Tokyo	Jun-22	T(free)	0.90 Bq/L	± 0.41	Bq/L	0.39	Bq/L
Tap water	Noda Chiba Pref.	Jun-22	T(free)	0.76 Bq/L	± 0.40	Bq/L	0.39	Bq/L
Tap water	Takayama Gifu Pref.	Jul-22	T(free)	0.70 Bq/L	± 0.40	Bq/L	0.39	Bq/L
Tap water	Niigata Niigata Perf.	Aug-22	T(free)	0.64 Bq/L	± 0.40	Bq/L	0.39	Bq/L

(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 (five fish)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/kg dry	0.13 Bq/kg dry
Sea robin	Nakanosaku Port/ Fukushima Pref.	Jun-23	Sr90	Under Minimum Limit of Detection Bq/kg dry	± 0.05 Bq/kg dry	0.13 Bq/kg dry
Red seabream	Not clear	Dec-21	Sr90	Under Minimum Limit of Detection Bq/kg dry	± 0.05 Bq/L	0.17 Bq/kg dry
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Nov-24	Sr90	0.0011 Bq/L	± 0.0004 Bq/L	0.0005 Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Nov-24	Sr90	0.0013 Bq/L	± 0.0003 Bq/L	0.0005 Bq/L
Sea water (surface)	Murakami Coast/Fukushima Pref.	Nov-24	Sr90	0.0007 Bq/L	± 0.0003 Bq/L	0.0004 Bq/L
Sea water (surface)	Kumagawa River estuary/ Fukushima Perf.	Nov-24	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0005 Bq/L
Sea water (surface)	Hamaichi Coast/ Miyagi Perf.	Nov-24	Sr90	0.0007 Bq/L	± 0.0003 Bq/L	0.0004 Bq/L
Sea water (surface)	Arahama Coast/ Miyagi Perf.	Nov-24	Sr90	0.0010 Bq/L	± 0.0003 Bq/L	0.0004 Bq/L
Sea waterA (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	0.0006 Bq/L	± 0.0003 Bq/L	0.0005 Bq/L
Sea waterA (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0005 Bq/L
Sea waterB (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	0.0013 Bq/L	± 0.0003 Bq/L	0.0004 Bq/L
Sea waterB (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	0.0009 Bq/L	± 0.0003 Bq/L	0.0005 Bq/L
Sea waterC (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0005 Bq/L
Sea waterC (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	0.0011 Bq/L	± 0.0003 Bq/L	0.0005 Bq/L
Sea water D (surface)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0004 Bq/L
Sea water D (lower)	Off the coast of Fukushima Nuclear Power Plant 1	Mar-25	Sr90	Under Minimum Limit of Detection Bq/L	± - Bq/L	0.0005 Bq/L
Sea water (surface)	Tomioka Port/ Fukushima Pref.	Mar-25	Sr90	0.0009 Bq/L	± 0.0003 Bq/L	0.0005 Bq/L
Soil	Log Park Minamidai,Iwaki	Jan-22	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/kg dry	1.77 Bq/kg dry
Soil	Satogaoka-sanchome Park 1 Satogaoka, Iwaki	Mar-25	Sr90	Under Minimum Limit of Detection Bq/kg dry	± - Bq/kg dry	1.77 Bq/kg dry

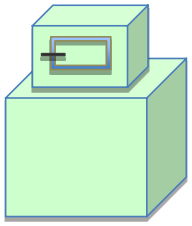
Mothers' Radiation Lab Fukushima

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.

★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%

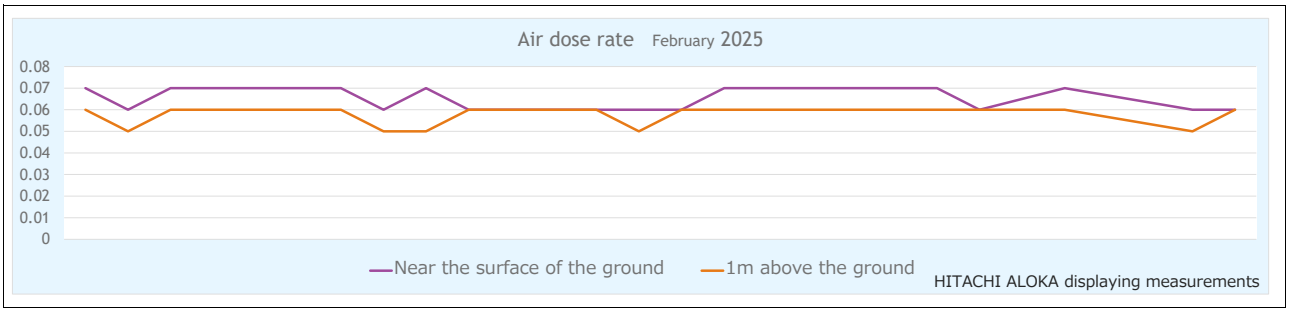
(Bq/kg raw:Weight of raw sample Bq/kg dry:Weight of dried sample)

Samples	Sampling Point	Sampling Month	Measuring instrument type	Measurement Result		Uncertainty	Total Amount of Cesium	Minimum Limit of Detection	
Green onion	Fukushima, Fukushima Perf.	Jan-25	CA	Cs137	0.7 Bq/kg raw	± 0.06 Bq/kg raw	0.7	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Chinese cabbage	Hirata Ishikawa Fukushima Perf.	Jan-25	OR	Cs137	0.025 Bq/kg raw	± 0.017 Bq/kg raw	0.025	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Carrot	Hirono Ftaba Fukushima Perf.	Jan-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	Bq/kg raw
Sweet potato	Ibaragi Perf.	Jan-25	OR	Cs137	1.8 Bq/kg raw	± 0.09 Bq/kg raw	1.8	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Sweet potato	Hirata Ishikawa Fukushima Perf.	Jan-25	CA	Cs137	0.38 Bq/kg raw	± 0.06 Bq/kg raw	0.38	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Potato	Hirata Ishikawa Fukushima Perf.	Jan-25	OR	Cs137	0.09 Bq/kg raw	± 0.03 Bq/kg raw	0.09	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Chinese yam	Aomori Perf.	Jan-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	Bq/kg raw
Japanese parsley	Fukushima Perf.	Jan-25	CA	Cs137	1.4 Bq/kg raw	± 0.05 Bq/kg raw	1.4	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Butterbur sprout	Iwaki City	Jan-25	CA	Cs137	0.16 Bq/kg raw	± 0.09 Bq/kg raw	0.16	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Lemon	Hirono Ftaba Fukushima Perf.	Jan-25	CA	Cs137	0.37 Bq/kg raw	± 0.06 Bq/kg raw	0.37	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Pear	Fukushima, Fukushima Perf.	Jan-25	OR	Cs137	0.76 Bq/kg raw	± 0.10 Bq/kg raw	0.76	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Kiwi fruit	Fukushima, Fukushima Perf.	Jan-25	OR	Cs137	0.48 Bq/kg raw	± 0.05 Bq/kg raw	0.48	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Dried persimmon	Hirata Ishikawa Fukushima Perf.	Jan-25	OR	Cs137	2.0 Bq/kg raw	± 0.25 Bq/kg raw	2.0	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Wood ear mushroom	Kagamiishi Iwase Fukushima Perf.	Jan-25	CA	Cs137	0.09 Bq/kg raw	± 0.03 Bq/kg raw	0.09	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Shitake mushroom log grown (cultivation)	Iwaki City	Jan-25	CA	Cs137	7.8 Bq/kg raw	± 0.2 Bq/kg raw	7.8	Cs137	Bq/kg raw
				Cs134	— Bq/kg raw	± — Bq/kg raw		Cs134	Bq/kg raw
Konjac	Iwaki City	Dec-24	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

Mothers' Radiation Lab Fukushima

Air dose rate April 2025

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



	Measuring instrument	HORIBA Radi	
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/4/1		0.065	0.062
2025/4/2		0.061	0.057
2025/4/3		0.073	0.071
2025/4/4		0.065	0.062
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
20025/4/7		0.061	0.060
20025/4/8		0.061	0.067
20025/4/9		0.058	0.055
20025/4/10		0.062	0.060
20025/4/11		0.066	0.062
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/4/14		0.060	0.053
2025/4/15		0.067	0.064
2025/4/16		0.062	0.059
2025/4/17		0.067	0.062
2025/4/18		0.069	0.065
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/4/21		0.058	0.066
2025/4/22		0.057	0.062
2025/4/23		0.074	0.066
2025/4/24		0.059	0.055
2025/4/25		0.064	0.055
Measuring Date	Weather	Near the surface of the ground (μSv/h)	1m above the ground (μSv/h)
2025/4/28		0.061	0.053
2025/4/30		0.064	0.055

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