

Results of Agricultural Chemicals in Green Tea by Multiresidue Method

No.112995-1
September 2,2011

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Sample	K-22
Reception date	August 25, 2011
Special mention matter	

The result of analysis is as follows;

No.	Chemical	Use	Result	Maximum Residue Limit(ppm)#
1	1,1-DICHLORO-2,2-BIS(4-ETHYLPHENYL)ETHANE	Insecticide	N.D.	0.1
2	2-(1-NAPHTHYL)ACETAMIDE	Plant growth regulator	N.D.	0.01*
3	BHC	Insecticide	N.D.	0.2
4	EPN	Insecticide	N.D.	0.01*
5	XMC	Insecticide	N.D.	10
6	γ -BHC	Insecticide	N.D.	0.05
7	ACRINATHRIN	Insecticide	N.D.	10
8	ACETAMIPRID	Insecticide	N.D.	30
9	AZOXYSTROBIN	Fungicide	N.D.	10
10	ALLETHRIN	Insecticide	N.D.	0.01*
11	ISOXATHION	Insecticide	N.D.	5
12	ISOPROTHIOLANE	Fungicide	N.D.	0.01*
13	IPRODIONE	Fungicide	N.D.	20
14	IPROBENFOS	Fungicide	N.D.	0.01*
15	IMIBENCONAZOLE	Fungicide	N.D.	15
16	INDOXACARB	Insecticide	N.D.	0.01*
17	UNICONAZOLE P	Plant growth regulator	N.D.	0.01*
18	ETHION	Insecticide	N.D.	0.3
19	ETHYCHLOZATE	Insecticide	N.D.	0.05
20	EDIFENPHOS	Fungicide	N.D.	0.01*
21	ETOXAZOLE	Acaricide	N.D.	10
22	ETOFENPROX	Insecticide	N.D.	10
23	ETRIDIAZOLE	Fungicide	N.D.	0.01*
24	ENDOSULFAN	Insecticide	N.D.	30
25	CARBOXIN	Fungicide	N.D.	0.01*
26	CARBOFURAN	Insecticide	N.D.	0.2
27	QUINALPHOS	Insecticide	N.D.	0.1
28	QUINTOZENE	Fungicide	N.D.	0.05
29	KRESOXIM-METHYL	Fungicide	N.D.	20
30	CHLOZOLINATE	Fungicide	N.D.	0.1
31	CLOFENTEZINE	Acaricide	N.D.	20

No.	Chemical	Use	Result	Maximum Residue Limit(ppm)#
32	CLOMAZONE	Herbicide	N.D.	0.02
33	CHLORPYRIFOS	Insecticide	N.D.	10
34	CHLORPYRIFOS-METHYL	Insecticide	N.D.	0.1
35	CHLORFENAPYR	Insecticide	N.D.	40
36	CHLORFENSON	Acaricide	N.D.	0.1
37	CHLORBUFAM	Herbicide	N.D.	0.1
38	CHLORBENSIDE	Acaricide	N.D.	0.1
39	CHLOROTHALONIL	Fungicide	N.D.	10
40	CHLORONEB	Fungicide	N.D.	0.01*
41	CHLOROBENZILATE	Acaricide	N.D.	0.1
42	CYANOPHOS	Insecticide	N.D.	0.01*
43	DIETHOFENCARB	Fungicide	N.D.	0.01*
44	DIOXATHION	Insecticide	N.D.	0.1
45	DICLOCYMET	Fungicide	N.D.	0.01*
46	DICHLOFENTHION	Insecticide	N.D.	0.01*
47	DICHLIFLUANID	Fungicide	N.D.	5.0
48	DICHLORVOS	Insecticide	N.D.	0.1
49	DISULFOTON	Insecticide	N.D.	0.05
50	DITHIOPYR	Herbicide	N.D.	0.01*
51	CYHALOTHRIN	Insecticide	N.D.	15
52	DIPHENYLAMINE	Herbicide	N.D.	0.05
53	CYFLUTHRIN	Insecticide	N.D.	20
54	CYFLUFENAMID	Fungicide	N.D.	0.01*
55	CYPROCONAZOLE	Fungicide	N.D.	0.01*
56	CYPRODINIL	Fungicide	N.D.	0.01*
57	CYPERMETHRIN	Insecticide	N.D.	20
58	SIMAZINE	Herbicide	N.D.	0.01*
59	SIMECONAZOLE	Fungicide	N.D.	10
60	DIMETHIPIN	Herbicide	N.D.	0.04
61	DIMETHOATE	Insecticide	N.D.	1
62	DIMETHOMORPH	Fungicide	N.D.	0.01*
63	SILAFLUOFEN	Insecticide	N.D.	35
64	SPIRODICLOFEN	Acaricide	N.D.	0.01*
65	DIAZINON	Insecticide	N.D.	0.1
66	DI-ALLATE	Herbicide	N.D.	0.1
67	THIABENDAZOLE	Fungicide	N.D.	0.1
68	THIOCYCLAM	Insecticide	N.D.	30
69	THIFLUZAMIDE	Fungicide	N.D.	0.01*
70	TECNAZENE	Fungicide	N.D.	0.1
71	TETRACONAZOLE	Fungicide	N.D.	20
72	TETRADIFON	Acaricide	N.D.	1
73	TEBUCONAZOLE	Fungicide	N.D.	25
74	TEBUFENPYRAD	Acaricide	N.D.	2
75	TEFLUTHRIN	Insecticide	N.D.	0.2
76	DEMETON-S-METHYL	Insecticide	N.D.	0.05
77	DELTA METHRIN and TRALOMETHRIN	Insecticide	N.D.	10
78	TERBUFOS	Insecticide	N.D.	0.005
79	TRIADIMENOL	Fungicide	N.D.	20
80	TRIADIMEFON	Fungicide	N.D.	1

No.	Chemicals	Grouped type	Results	Detection Limits	Maximum Residue Limits(ppm) #
77	triadimefon	Fungicide	N. D.	1/10 of a MRL	1
78	triazophos	Insecticide	N. D.	1/10 of a MRL	0.05
79	trichlorfon	Insecticide	N. D.	1/10 of a MRL	0.50
80	triflumizole	Fungicide	N. D.	1/10 of a MRL	15
81	trifluralin	Herbicide	N. D.	1/10 of a MRL	0.05
82	trifloxystobin	Fungicide	N. D.	1/10 of a MRL	5
83	tolfenpyrad	Insecticide	N. D.	1/10 of a MRL	20
84	napropamide	Herbicide	N. D.	1/2 of a MRL	0.01*
85	naled	Insecticide	N. D.	1/10 of a MRL	0.1
86	paclobutrazol	Plant growth regulator	N. D.	1/2 of a MRL	0.01*
87	parathion	Insecticide	N. D.	1/10 of a MRL	0.3
88	parathion-methyl	Insecticide	N. D.	1/10 of a MRL	0.2
89	halfenprox	Acaricide	N. D.	1/10 of a MRL	10
90	bioresmethrin	Insecticide	N. D.	1/10 of a MRL	0.1
91	bifenthrin	Insecticide	N. D.	1/10 of a MRL	25
92	pyraclofos	Insecticide	N. D.	1/10 of a MRL	5
93	pyrazophos	Fungicide	N. D.	1/10 of a MRL	0.1
94	pyridafenthion	Insecticide	N. D.	1/2 of a MRL	0.01*
95	pyridaben	Acaricide	N. D.	1/10 of a MRL	10
96	pyrifenoxy	Fungicide	N. D.	1/10 of a MRL	5.0
97	pyriproxyfen	Insecticide	N. D.	1/10 of a MRL	0.3
98	pyrimidifen	Insecticide	N. D.	1/10 of a MRL	5
99	pirimiphos-methyl	Insecticide	N. D.	1/10 of a MRL	10
100	pyrethrins	Insecticide	N. D.	1/10 of a MRL	3
101	fenamiphos	Nematicide	N. D.	1/10 of a MRL	0.05
102	fenarimol	Fungicide	N. D.	1/10 of a MRL	0.05
103	fenitrothion	Insecticide	N. D.	1/10 of a MRL	0.2
104	fenoxaprop-ethyl	Herbicide	N. D.	1/2 of a MRL	0.01*
105	fenoxycarb	Insecticide	N. D.	1/10 of a MRL	0.05
106	phenthoate	Insecticide	N. D.	1/10 of a MRL	0.1
107	fenvalerate	Insecticide	N. D.	1/10 of a MRL	1.0
108	fenpyroximate	Acaricide	N. D.	1/10 of a MRL	10
109	fenbuconazole	Fungicide	N. D.	1/10 of a MRL	10
110	fenpropathrin	Insecticide	N. D.	1/10 of a MRL	25
111	fenpropimorph	Fungicide	N. D.	1/10 of a MRL	0.1
112	bupirimate	Fungicide	N. D.	1/2 of a MRL	0.01*
113	buprofezin	Insecticide	N. D.	1/10 of a MRL	20
114	furathiocarb	Insecticide	N. D.	1/10 of a MRL	0.1
115	flamprop-methyl	Herbicide	N. D.	1/2 of a MRL	0.01*
116	fluazinam	Fungicide	N. D.	1/10 of a MRL	5
117	fluometuron	Herbicide	N. D.	1/10 of a MRL	0.02
118	flucythrinate	Insecticide	N. D.	1/10 of a MRL	20
119	fluvallinate	Insecticide	N. D.	1/10 of a MRL	10
120	flufenoxuron	Insecticide	N. D.	1/10 of a MRL	15
121	prochloraz	Fungicide	N. D.	1/10 of a MRL	0.1
122	prothiofos	Insecticide	N. D.	1/10 of a MRL	5.0
123	propachlor	Herbicide	N. D.	1/2 of a MRL	0.01*

No.	Chemical	Use	Result	Maximum Residue Limit(ppm)#
130	PROFENOFOS	Insecticide	N.D.	1
131	PROPOXUR	Insecticide	N.D.	0.1
132	BROMOPROPYLATE	Acaricide	N.D.	0.1
133	BROMOPHOS-ETHYL	Insecticide	N.D.	0.1
134	HEXACONAZOLE	Fungicide	N.D.	0.05
135	BENALAXYL	Fungicide	N.D.	0.1
136	PERMETHRIN	Insecticide	N.D.	20
137	PENCONAZOLE	Fungicide	N.D.	0.1
138	PHOSALONE	Insecticide	N.D.	2
139	FOSTHIAZATE	Insecticide	N.D.	0.01*
140	PHOSPHAMIDON	Insecticide	N.D.	0.1
141	PHOSMET	Insecticide	N.D.	0.5
142	FORMOTHION	Insecticide	N.D.	0.05
143	PHORATE	Insecticide	N.D.	0.1
144	MALATHION	Insecticide	N.D.	0.5
145	MYCLOBUTANIL	Fungicide	N.D.	20
146	MECARBAM	Insecticide	N.D.	0.1
147	METHACRIFOS	Insecticide	N.D.	0.1
148	METALAXYL	Fungicide	N.D.	0.01*
149	METHIDATHION	Insecticide	N.D.	1
150	METHOXYCHLOR	Insecticide	N.D.	0.1
151	METOMINOSTROBIN	Fungicide	N.D.	0.01*
152	METOLACHLOR	Herbicide	N.D.	0.01*
153	METRIBUZIN	Herbicide	N.D.	0.1
154	MEPRONIL	Fungicide	N.D.	0.01*
155	RESMETHRIN	Insecticide	N.D.	0.2
156	LENACIL	Herbicide	N.D.	0.01*

Maximum Residue Limit:No asterisk is provisional MRLs.

Asterisk(*)is uniform limit.

The extraction method;Solvent extraction

:The Japanese Positive List System for Agricultural Chemical Residues in Foods(Enforcement on May,29,2006)

Date:September 2,2011

Y. Saito

Yoshihiro Saito

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No.	Chemical	Use	Result	Maximum Residue Limit(ppm)#
1	1,1-DICHLORO-2,2-BIS(4-ETHYLPHENYL)ETHANE	Insecticide	N.D.	0.1
2	2-(1-NAPHTHYL)ACETAMIDE	Plant growth regulator	N.D.	0.01*
3	BHC	Insecticide	N.D.	0.2
4	EPN	Insecticide	N.D.	0.01*
5	XMC	Insecticide	N.D.	10
6	γ -BHC	Insecticide	N.D.	0.05
7	ACRINATHRIN	Insecticide	N.D.	10
8	ACETAMIPRID	Insecticide	N.D.	30
9	AZOXYSTROBIN	Fungicide	N.D.	10
10	ALLETHRIN	Insecticide	N.D.	0.01*
11	ISOXATHION	Insecticide	N.D.	5
12	ISOPROTHIOLANE	Fungicide	N.D.	0.01*
13	IPRODIONE	Fungicide	N.D.	20
14	IPROBENFOS	Fungicide	N.D.	0.01*
15	IMIBENCONAZOLE	Fungicide	N.D.	15
16	INDOXACARB	Insecticide	N.D.	0.01*
17	UNICONAZOLE P	Plant growth regulator	N.D.	0.01*
18	ETHION	Insecticide	N.D.	0.3
19	ETHYCHLOZATE	Insecticide	N.D.	0.05
20	EDIFENPHOS	Fungicide	N.D.	0.01*
21	ETOXAZOLE	Acaricide	N.D.	10
22	ETOFENPROX	Insecticide	N.D.	10
23	ETRIDIAZOLE	Fungicide	N.D.	0.01*
24	ENDOSULFAN	Insecticide	N.D.	30
25	CARBOXIN	Fungicide	N.D.	0.01*
26	CARBOFURAN	Insecticide	N.D.	0.2
27	QUINALPHOS	Insecticide	N.D.	0.1
28	QUINTOZENE	Fungicide	N.D.	0.05
29	KRESOXIM-METHYL	Fungicide	N.D.	20
30	CHLOZOLINATE	Fungicide	N.D.	0.1
31	CLOFENTEZINE	Acaricide	N.D.	20

No.	Chemical	Use	Result	Maximum Residue Limit(ppm)#
32	CLOMAZONE	Herbicide	N.D.	0.02
33	CHLORPYRIFOS	Insecticide	N.D.	10
34	CHLORPYRIFOS-METHYL	Insecticide	N.D.	0.1
35	CHLORFENAPYR	Insecticide	N.D.	40
36	CHLORFENSON	Acaricide	N.D.	0.1
37	CHLORBUFAM	Herbicide	N.D.	0.1
38	CHLORBENSIDE	Acaricide	N.D.	0.1
39	CHLOROTHALONIL	Fungicide	N.D.	10
40	CHLORONEBB	Fungicide	N.D.	0.01*
41	CHLOROBENZILATE	Acaricide	N.D.	0.1
42	CYANOPHOS	Insecticide	N.D.	0.01*
43	DIETHOFENCARB	Fungicide	N.D.	0.01*
44	DIOXATHION	Insecticide	N.D.	0.1
45	DICLOCYMET	Fungicide	N.D.	0.01*
46	DICHLOFENTHION	Insecticide	N.D.	0.01*
47	DICHLOFUANID	Fungicide	N.D.	5.0
48	DICHLORVOS	Insecticide	N.D.	0.1
49	DISULFOTON	Insecticide	N.D.	0.05
50	DITHIOPYR	Herbicide	N.D.	0.01*
51	CYHALOTHRIN	Insecticide	N.D.	15
52	DIPHENYLAMINE	Herbicide	N.D.	0.05
53	CYFLUTHRIN	Insecticide	N.D.	20
54	CYFLUFENAMID	Fungicide	N.D.	0.01*
55	CYPROCONAZOLE	Fungicide	N.D.	0.01*
56	CYPRODINIL	Fungicide	N.D.	0.01*
57	CYPERMETHRIN	Insecticide	N.D.	20
58	SIMAZINE	Herbicide	N.D.	0.01*
59	SIMECONAZOLE	Fungicide	N.D.	10
60	DIMETHIPIN	Herbicide	N.D.	0.04
61	DIMETHOATE	Insecticide	N.D.	1
62	DIMETHOMORPH	Fungicide	N.D.	0.01*
63	SILAPLUOFEN	Insecticide	N.D.	35
64	SPIRODICLOFEN	Acaricide	N.D.	0.01*
65	DIAZINON	Insecticide	N.D.	0.1
66	DI-ALLATE	Herbicide	N.D.	0.1
67	THIABENDAZOLE	Fungicide	N.D.	0.1
68	THIOCYCLAM	Insecticide	N.D.	30
69	THIFLUZAMIDE	Fungicide	N.D.	0.01*
70	TECNAZENE	Fungicide	N.D.	0.1
71	TETRACONAZOLE	Fungicide	N.D.	20
72	TETRADIFON	Acaricide	N.D.	1
73	TEBUCONAZOLE	Fungicide	N.D.	25
74	TEBUFENPYRAD	Acaricide	N.D.	2
75	TEFLUTHRIN	Insecticide	N.D.	0.2
76	DEMETON-S-METHYL	Insecticide	N.D.	0.05
77	DELTA METHRIN and TRALOMETHRIN	Insecticide	N.D.	10
78	TERBUFOS	Insecticide	N.D.	0.005
79	TRIADIMENOL	Fungicide	N.D.	20
80	TRIADIMBFON	Fungicide	N.D.	1

No.	Chemicals	Grouped type	Results	Detection Limits	Maximum Residue Limits(ppm) #
77	triadimefon	Fungicide	N. D.	1/10 of a MRL	1
78	triazophos	Insecticide	N. D.	1/10 of a MRL	0.05
79	trichlorfon	Insecticide	N. D.	1/10 of a MRL	0.50
80	triflumizole	Fungicide	N. D.	1/10 of a MRL	15
81	trifluralin	Herbicide	N. D.	1/10 of a MRL	0.05
82	trifloxystobin	Fungicide	N. D.	1/10 of a MRL	5
83	tofenpyrad	Insecticide	N. D.	1/10 of a MRL	20
84	napropamide	Herbicide	N. D.	1/2 of a MRL	0.01*
85	naled	Insecticide	N. D.	1/10 of a MRL	0.1
86	paclobutrazol	Plant growth regulator	N. D.	1/2 of a MRL	0.01*
87	parathion	Insecticide	N. D.	1/10 of a MRL	0.3
88	parathion-methyl	Insecticide	N. D.	1/10 of a MRL	0.2
89	halfenprox	Acaricide	N. D.	1/10 of a MRL	10
90	bioresmethrin	Insecticide	N. D.	1/10 of a MRL	0.1
91	bifenthrin	Insecticide	N. D.	1/10 of a MRL	25
92	pyraclofos	Insecticide	N. D.	1/10 of a MRL	5
93	pyrazophos	Fungicide	N. D.	1/10 of a MRL	0.1
94	pyridafenthion	Insecticide	N. D.	1/2 of a MRL	0.01*
95	pyridaben	Acaricide	N. D.	1/10 of a MRL	10
96	pyrifenoxy	Fungicide	N. D.	1/10 of a MRL	5.0
97	pyriproxyfen	Insecticide	N. D.	1/10 of a MRL	0.3
98	pyrimidifen	Insecticide	N. D.	1/10 of a MRL	5
99	pirimiphos-methyl	Insecticide	N. D.	1/10 of a MRL	10
100	pyrethrins	Insecticide	N. D.	1/10 of a MRL	3
101	fenamiphos	Nematicide	N. D.	1/10 of a MRL	0.05
102	fenarimol	Fungicide	N. D.	1/10 of a MRL	0.05
103	fenitrothion	Insecticide	N. D.	1/10 of a MRL	0.2
104	fenoxaprop-ethyl	Herbicide	N. D.	1/2 of a MRL	0.01*
105	fenoxycarb	Insecticide	N. D.	1/10 of a MRL	0.05
106	phenthoate	Insecticide	N. D.	1/10 of a MRL	0.1
107	fenvalerate	Insecticide	N. D.	1/10 of a MRL	1.0
108	fenpyroximate	Acaricide	N. D.	1/10 of a MRL	10
109	fenbuconazole	Fungicide	N. D.	1/10 of a MRL	10
110	fenpropathrin	Insecticide	N. D.	1/10 of a MRL	25
111	fenpropimorph	Fungicide	N. D.	1/10 of a MRL	0.1
112	bupirimate	Fungicide	N. D.	1/2 of a MRL	0.01*
113	buprofezin	Insecticide	N. D.	1/10 of a MRL	20
114	furathiocarb	Insecticide	N. D.	1/10 of a MRL	0.1
115	flamprop-methyl	Herbicide	N. D.	1/2 of a MRL	0.01*
116	fluazinam	Fungicide	N. D.	1/10 of a MRL	5
117	fluometuron	Herbicide	N. D.	1/10 of a MRL	0.02
118	flucythrinate	Insecticide	N. D.	1/10 of a MRL	20
119	fluvalinate	Insecticide	N. D.	1/10 of a MRL	10
120	flufenoxuron	Insecticide	N. D.	1/10 of a MRL	15
121	prochloraz	Fungicide	N. D.	1/10 of a MRL	0.1
122	prothiofos	Insecticide	N. D.	1/10 of a MRL	5.0
123	propachlor	Herbicide	N. D.	1/2 of a MRL	0.01*

No.	Chemical	Use	Result	Maximum Residue Limit(ppm)#
130	PROFENOFOS	Insecticide	N.D.	1
131	PROPOXUR	Insecticide	N.D.	0.1
132	BROMOPROPYLATE	Acaricide	N.D.	0.1
133	BROMOPHOS-ETHYL	Insecticide	N.D.	0.1
134	HEXACONAZOLE	Fungicide	N.D.	0.05
135	BENALAXYL	Fungicide	N.D.	0.1
136	PERMETHRIN	Insecticide	N.D.	20
137	PENCONAZOLE	Fungicide	N.D.	0.1
138	PHOSALONE	Insecticide	N.D.	2
139	FOSTHIAZATE	Insecticide	N.D.	0.01*
140	PHOSPHAMIDON	Insecticide	N.D.	0.1
141	PHOSMET	Insecticide	N.D.	0.5
142	FORMOTHION	Insecticide	N.D.	0.05
143	PHORATE	Insecticide	N.D.	0.1
144	MALATHION	Insecticide	N.D.	0.5
145	MYCLOBUTANIL	Fungicide	N.D.	20
146	MECARBAM	Insecticide	N.D.	0.1
147	METHACRIFOS	Insecticide	N.D.	0.1
148	METALAXYL	Fungicide	N.D.	0.01*
149	METHIDATHION	Insecticide	N.D.	1
150	METHOXYCHLOR	Insecticide	N.D.	0.1
151	METOMINOSTROBIN	Fungicide	N.D.	0.01*
152	METOLACHLOR	Herbicide	N.D.	0.01*
153	METRIBUZIN	Herbicide	N.D.	0.1
154	MEPRONIL	Fungicide	N.D.	0.01*
155	RESMETHRIN	Insecticide	N.D.	0.2
156	LENACIL	Herbicide	N.D.	0.01*

Maximum Residue Limit: No asterisk is provisional MRLs.

Asterisk(*) is uniform limit.

The extraction method; Solvent extraction

: The Japanese Positive List System for Agricultural Chemical Residues in Foods (Enforcement on May, 29, 2006)

Date: September 2, 2011


 Yoshihiro Saito

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CERTIFICATE OF ANALYSIS

No.111966-1

SAMPLE : K-22-3T

(from JINSEIDO CO.,LTD.

2237,Ooya, Suruga-ku, Shizuoka-shi,422-8017 Japan)

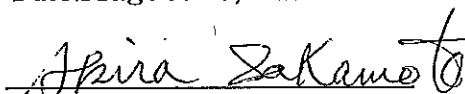
The results of determination is as follows;

ANALYZED DATE: July 24, 2011

Item	Result	Method
Calories	342 Kcal/100g	Modified Atwater
Protein	18.8 g/100g	Nitrogen determined,calculated
Lipid	5.6 g/100g	Acid decomposition method
Carbohydrate	54.2 g/100g	Calculated
Sodium	1.7 mg/100g	ICP method
Catechin 4 item		HPLC
(-)Epigallocatechin	4.8 g/100g	
(-)Epicatechin	1.0 g/100g	
(-)Epigallocatechin gallate	5.7 g/100g	
(-)Epicatechin gallate	1.1 g/100g	
Total	12.6 g/100g	
Caffein	1.6 g/100g	HPLC
Tannin	11.5 g/100g	Ferrous tartarate-colorimetry
Potassium	1.8 mg/100g	Atomic absorption
Chlorophyll a	418.4mg/100g	Mackinney method
Chlorophyll b	170.7mg/100g	Mackinney method
Polysaccharide	2.3 g/100g	Resolution by an enzyme method
Vitamin A		HPLC
β -carotene equivalents	21600 μ g/100g	
Retinol activity equivalents	1800 μ g/100g	
Vitamin C	380 mg/100g	HPLC

We hereby certify that the determinations were carried out properly and the results were obtained thus under the supervision and control of the signer.

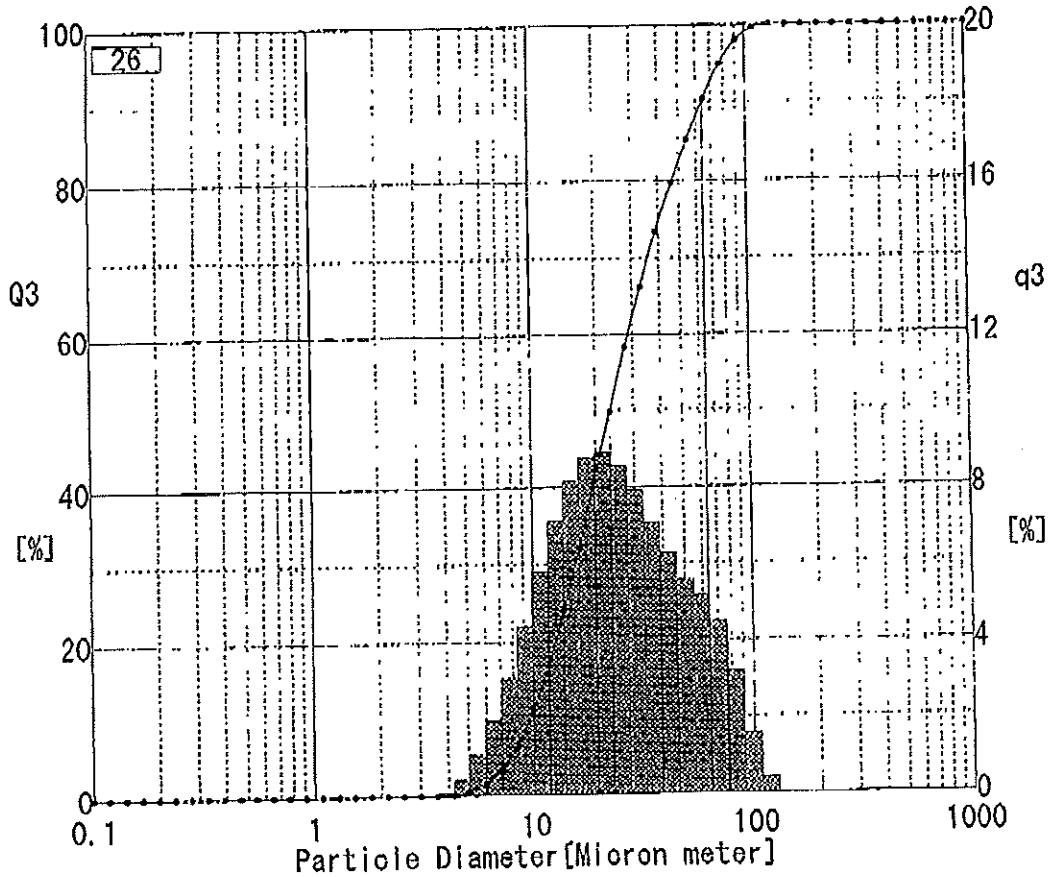
Date:August 25,2011


Akira Sakamoto,Ph.D.

粒度分布測定結果

SEISHIN LMS-350

登録番号	26	X10	9.609 μm
試料名	KA-22-PW	X50	23.432 μm
ロット	125090	X90	63.974 μm
分散媒	air	比表面積	0.316 m^2/cm^3
分散剤	なし	R·R-N	1.9480
測定日時	2012/08/07 15:05:37	R·R-B	0.00093
測定者	渡辺	正規分布50%	24.032 μm
備考		正規分布 σ_g	1.975
屈折率	1.330 - 0.00i	試料濃度	88 mV
形状係数	1.000		



Ch.	粒径 μm	累積%	区間%	Ch.	粒径 μm	累積%	区間%	Ch.	粒径 μm	累積%	区間%
1	0.10	0.00	0.00	21	3.02	0.00	0.00	41	91.09	98.05	3.21
2	0.12	0.00	0.00	22	3.58	0.00	0.00	42	108.01	99.59	1.54
3	0.14	0.00	0.00	23	4.24	0.09	0.09	43	128.07	100.00	0.41
4	0.17	0.00	0.00	24	5.03	0.51	0.42	44	151.86	100.00	0.00
5	0.20	0.00	0.00	25	5.97	1.57	1.06	45	180.07	100.00	0.00
6	0.23	0.00	0.00	26	7.07	3.52	1.95	46	213.51	100.00	0.00
7	0.28	0.00	0.00	27	8.39	6.60	3.08	47	253.17	100.00	0.00
8	0.33	0.00	0.00	28	9.95	11.00	4.40	48	300.19	100.00	0.00
9	0.39	0.00	0.00	29	11.79	16.80	5.80	49	355.95	100.00	0.00
10	0.46	0.00	0.00	30	13.98	23.94	7.14	50	422.06	100.00	0.00
11	0.55	0.00	0.00	31	16.58	32.10	8.16	51	500.45	100.00	0.00
12	0.65	0.00	0.00	32	19.66	40.85	8.75	52	593.40	100.00	0.00
13	0.77	0.00	0.00	33	23.31	49.74	8.89	53	703.61	100.00	0.00
14	0.92	0.00	0.00	34	27.64	58.30	8.56	54	834.27	100.00	0.00
15	1.09	0.00	0.00	35	32.78	66.23	7.93	55	1000.00	100.00	0.00
16	1.29	0.00	0.00	36	38.86	73.32	7.09				
17	1.53	0.00	0.00	37	46.08	79.60	6.28				
18	1.81	0.00	0.00	38	54.64	85.19	5.59				
19	2.15	0.00	0.00	39	64.79	90.36	5.17				
20	2.55	0.00	0.00	40	76.82	94.84	4.48				

Марожанае

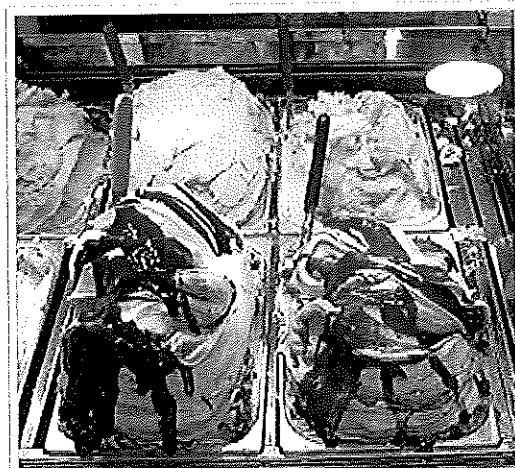
З пляцоўкі Вікіпедыя

Марбжанае — замарожаная салодкая маса з малочных прадуктаў з рознымі дадаткамі.

Марожанае вырабляецца звычайна з:

- малака,
- вяршкоў,
- масла,
- цукру,
- смакавых і араматычных рэчываў,
- розных дабавак, які забяспечваюць патрэбную кансістэнцыю, тэрмін захоўвання і г.д.

Існуюць розныя сарты марожанага, напрыклад крэм-бруле і пламбір.



Італьянскае марожанае

Марожанае — высокакаларыйны прадукт, некаторыя сарты марожанага ўтрымліваюць да 20 % тлушчаў і да 20 % вугляводаў.

Марожанае падзяляецца на загартаванае і мяккае, другое звычайна прадаецца на вагу, бо мае кароткім тэрмінам захоўвання. Існуе мноства варыянтаў пакавання марожанага — вафлевыя, папяровыя і пластыкавыя шклянчкі, марожанае на палачцы, вафлевыя рожкі, рулеты, брыкеты, тарты і г. д.

Пры продажы марожанага ў кафэ, рэстаранах і г. д., яго часта ўпрыгожваюць кавалачкамі садавіны і ягад, шакаладам, вафлямі, паліваюць сіропам, пасыпаюць шакаладнай або арэхавай крошкай. З марожанага таксама вырабляюць малочныя кактэйлі, дадаючы ў яго малако і сіроп і ўзбіваючы атрыманую сумесь у міксеры.

Змест

- 1 Віды марожанага
- 2 Вытворчасць
- 3 Галерэя
- 4 Зноскі
- 5 Спасылкі
- 6 Гл. таксама

Віды марожанага

- Марожанае (на аснове жывёльных і/або раслінных тлушчаў).
- Сарбет (шарбет) (мяккае марожанае на аснове садавіны, ягад, сокаў).

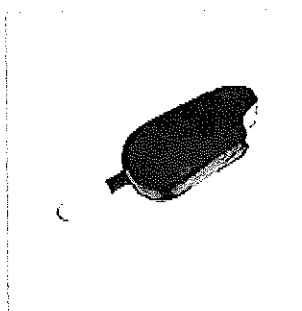
- Фруктовы лёд (адносна цвёрдае марожанае на палачцы на аснове соку, звычайна без малака).

Вытворчасць

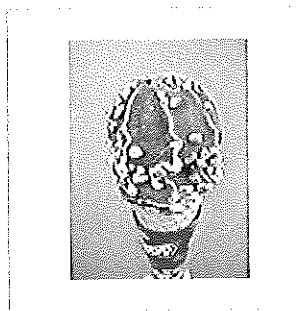
Да з'яўлення сучасных спосабаў замарожвання марожанае было раскопным ласункам толькі для асаблівых выпадкаў. Вытворчасць марожанага была даволі складанай.

У наш час марожанае ажыццяўляецца з выкарыстаннем аўтаматычных фрызераў у вышадках, калі прадукцыйнасць павінна быць ад 1 да 15 кг у гадзіну. Магчымасці вытворчасці больш сур'ёзных аб'ёмаў даступныя на холадакамбінатах.

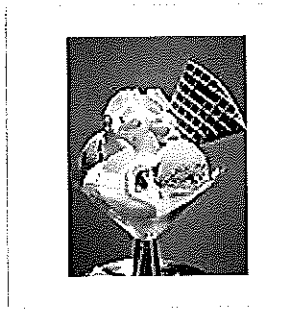
Галерэя



Эскімо.



Ражок, ці трубочка.



Марожанае ў крэманцы.



Фруктовы лёд.

Зноскі

Спасылкі

Гл. таксама

- Італьянскі лёд
- Бананавы спліт

Нарматыўны кантроль

GND: 4056110-0 (<http://d-nb.info/gnd/4056110-0>) · NDЛ: 00560121 (<http://id.ndl.go.jp/auth/ndlna/00560121>)

Узята з "<http://be.wikipedia.org/w/index.php?title=Марожанае&oldid=1704376>"

Катэгорыі: Марожанае | Малочныя прадукты | Дэсерты

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アイスクリーム類の一般的な製造工程は次のとおりです。

1. 原料の混合・溶解・ろ過

乳や練乳、粉乳、クリーム、バターなどの乳製品、砂糖や水飴などの糖類、安定剤、乳化剤、水などを混ぜ合わせ、30～70℃くらいに加熱して溶かします。これをアイスクリームミックスといいます。不純物を除くため、ミックスをろ過します。

2. 均質化

均質機で、ミックスをさらに細かくします。これにより乳化状態はさらによくなり、組織はなめらかになります。

3. 殺菌・冷却

68℃で30分間加熱殺菌するか、またはこれと同等以上の殺菌効果をもつ方法で行なうことが定められています。殺菌後、ミックスを5℃以下に冷却します。

香料、色素、副原料（緑茶粉末）はここで加えます。

4. エージング（熟成）

ミックスの粘度を上げてなめらかにし保形性を高めるために、一定時間タンクに貯蔵します。最近では安定剤や乳化剤が改良されたこともあって、エージングを行なわない場合もあります。

5. フリージング

ミックスを高速で攪拌しながら-4～-7℃に急冷します。中の水分は微細な氷の結晶となり、空気を混入することによってオーバーランが高まり、口当たりのなめらかな半固形の状態になります。これがいわゆる「ソフトクリーム」です。

6. 充填・包装・硬化

フリーザーから出てくるソフトクリームは、水分の一部しか凍結していません。このままソフトクリームとして供することもできますが、この状態のアイスクリームをそのまま冷凍庫に入れた場合、氷の結晶は大きくなり、なめらかさもなくなります。

このソフトクリームをカップやコーンなどに詰め、-30℃以下の硬化室に送り、急速に冷凍・硬化させて組織を安定させたものをハードアイスクリームといい、これが一般的なアイスクリームです。容器への充填の終わったアイスクリームは、速やかに硬化させることが組織を劣化させず、おいしさを保つポイントです。

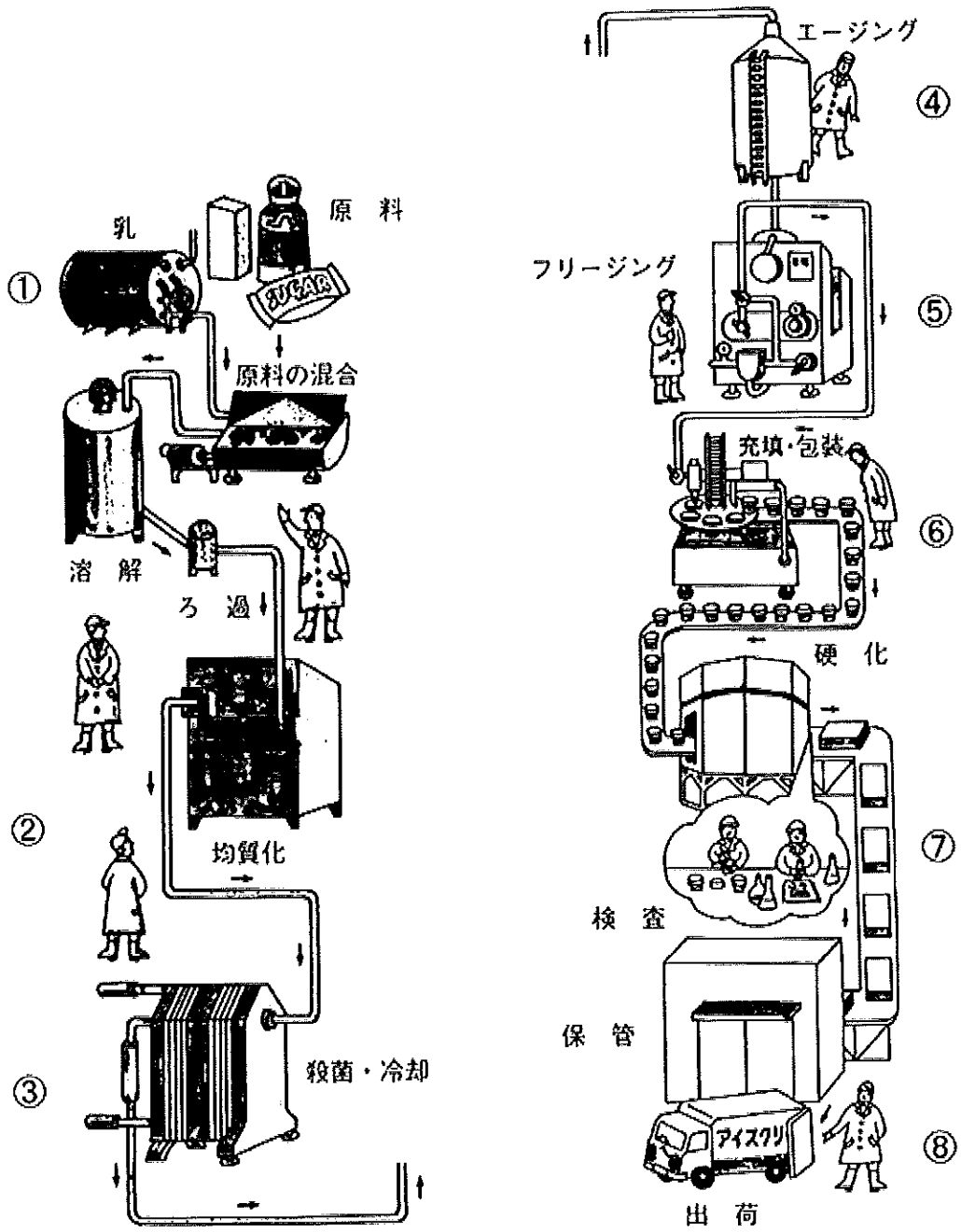
7. 検査・保管

不良品がないかチェックし、製品になったアイスクリームは、-20℃以下の冷凍貯蔵庫で保管します。

8. 出荷

冷凍車で配送する場合も、-18℃以下を保ちます。

アイスクリームの製造方法



(社) 日本アイスクリーム協会資料より