

Ajinomoto Group Environmental Report 2009

The additional Documents and Data (WEB)

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URL for downloading

<http://www.ajinomoto.com/environment/>

The Ajinomoto Group Environmental Philosophy and Basic Policies (Full texts)

■ Philosophy

<Abstract>

The Ajinomoto Group is committed to environmental and social sustainability which assures a rich natural environment and affluent lives for all the people of the world including future generations. As we appreciate nature's blessings which our Food and Health business greatly depends on, we strive to reduce adverse impacts on the global environment and ecosystems and to promote recycling-oriented production activities to utilize natural resources. Furthermore, as the responsibility of a global corporation, we endeavor to continuously improve our business operations to keep them in harmony with the global environment.

<Full text>

The world now faces a crisis in sustainability of the global environment and human societies, mainly due to increasing human pressure on the global ecosystem. Human activities have been expanding beyond the limits of the Earth's carrying capacity. Therefore, it is crucial to tackle environmental challenges and seek for a shift toward sustainable global society where all the people including future generations can enjoy rich natural environment and affluent lives. As a responsible corporate citizen, the Ajinomoto Group is committed to this issue through the promotion of sound business activities.

The Group has been developing its Food and Health business in many countries and regions all over the world, depending on each area's agricultural, fishery, and stock farm products as raw materials for the products. As we appreciate nature's blessings which our Food and Health greatly depends on, we strive to reduce adverse impacts on the global environment and ecosystems and to improve our business operations to keep them in harmony with the global environment. Thus, we will contribute to a shift toward a sustainable society. Also, the Group is willing to contribute to the international society from the standpoint of the global environment, not just by complying with international rules and regulations but also by being part in international debates and consensus-building on a sustainable global society. Furthermore, we operate our business in cooperation with local people, respecting the differences in climate, natural environment, politics, culture, religion, laws and legal systems. Finally, we make continuous efforts to improve our business activities, aiming at environmental sustainability and perpetual business development of the Group.

■ Basic Policies

(Attitude)

1. We fully comply with relevant laws and regulations. Also, keeping an eye on global trends in sustainability and the environment and ecosystems, we strive to keep having a positive effect on society by taking an adequate response in a timely and appropriate manner.

Fully complying with relevant laws and regulations in countries and regions, we take a proactive response based on understanding of a global trend in environmental policies of governments and requirements of local communities.

As a duty of a global business member in the global community, we respond to international standards and regulations in a timely and appropriate manner. The Group is responsible for sustainability of global ecosystem and society with which the nature of our business is closely linked. Thus, we make the best use of our expertise to actively play a part in debates and consensus building in the international arena on an approach to a global social sustainability through our business.

The global ecosystem and society cannot be sustained without diversified local ecosystems and communities. Bearing in mind of this point, we endeavor to operate our business with impartial, balanced attitude toward various values so that local diversity cannot be undermined by globalization.

(Management system)

2. We further take efforts toward sustainability by establishing an environmental management system.

We establish and implement appropriate environmental management systems (EMSs) in all organizations of our Group. Under each EMS, we set specific goals and make action plans regarding major issues to promote systematic efforts toward sustainability. Through such efforts, we continuously improve and further make our business activities coexist with the environment.

Recognizing that ISO 14001 is a standard of EMS for our Group, we select and adapt an appropriate type of EMSs, depending on traits of each applicable organization, such as a type of business, scale, and influence.

(Performance)

3. We endeavor to reduce adverse environmental impacts on ecosystems. Through understanding the importance of finite natural resources, we make a real effort for resource and energy conservation and resource recycling.

Human activities, including our Group's business activities, cannot be sustained without a variety of services provided by the natural environment: such as food, resources, energy, and a cyclical function. However, capacities of these services are limited and such services will be depleted if we keep consuming without proper care. While we have been striving to reduce adverse impacts on the global and local environments so far, we continuously use substantial amount of natural resources as well as posing a certain level of pressure on the earth as our global business grows. Understanding and quantifying various adverse effects of our business activities on global and local environments, we set voluntary standards to solve those problems in a planned manner. Under the Ajinomoto Group Zero Emissions Plan, we have been making efforts to eliminate every environmental load from all business aspects of our Group.

*For example, ozone layer depletion, global warming, acid rains, soil and marine pollution, and reduced biodiversity.

(Technology development)

4. We strive to develop new technology and system for sustainability.

We have expertise and technology in our major business domain, Food and Health fields, which contribute to global and local sustainability. With our specialized expertise and technology, we develop and adopt new technologies and systems towards both global sustainability and continuous growth of our business.

Due to the nature of manufacturing business, the production section generates most of our total environmental load. We focus on promoting dramatic improvement of production efficiency and reduction of wastes, which are accomplished by innovation of production technology, and technical development of efficient use of by-products. Also, in every process of our business activities, not only production technology development, but also business expansion and product development, we seek for sustainability and environment-consciousness, in considering a better supply-chain management and design for environment with life-cycle thinking. Moreover, we endeavor to apply our expertise and technology to a broader area of society, beyond the direct business scope of our Group.

(Communication)

5. We provide education and training on sustainability for our employees. We hold dialogues on the group's initiatives for sustainability with our stakeholders. Aiming at environmental and social sustainability on a global and local basis, we will further promote partnerships and collaborations with the stakeholders.

Aiming at raising awareness on a global sustainable society and sustainable corporate activities, we provide systematic education and training programs to our employees. Such programs are also aimed at deepening their understanding the Group's efforts to improve its business operations toward sustainability, so that each employee can take practical actions in the Group's sustainable initiatives, respectively.

As for the external communication, we regularly release reports to disclose information on our sustainability initiatives including our philosophy, plans and achievements. Holding dialogues with stakeholders is another way of environmental communication. Through such dialogues, we aim to both provide information and examine whether or not we fall into complacency in order to find any further improvement and new initiatives. Furthermore, as a responsibility of a community member, each site strives to make itself open to the public, organizing plant tours and providing information on its operation for local residents.

To achieve environmental and social sustainability both globally and locally, partnerships and collaborations with a wide range of stakeholders are essential in addition to the Group's own efforts. We will endeavor to make positive influence on our customers and business partners through our business activities. We will particularly provide support to agricultural, livestock and marine industries to secure safe and sustainable food supplies, as they play a crucial role to supply not just major raw materials to the Ajinomoto Group but also food for the world. Furthermore, we also seek for meaningful partnerships with non-governmental organizations (NGOs) and related institutions to tackle any critical issues.

Revised in April 2006

Major Changes and Enhancements to the Revised Ajinomoto Group Environmental Philosophy and Basic Policies

Environmental Philosophy	Key points to be revised	Details
Environmental Philosophy	<ul style="list-style-type: none"> • Harmonizing the Company's global activities with the global environment → commitment to environmental and social sustainability • Responsibility of a global corporation, responsible corporate citizen, continuous efforts to improve business operations • Appreciation for natural environment • Conservation of global environment and ecosystems • Recycling-oriented production process/activities 	<p>The revised version introduced the idea of sustainability, which was less common in 1997 when the basic environmental policy was established. Also, throughout the revision, the Group's commitments to environmental and social sustainability as a responsibility of a global corporation are also clearly stated.</p> <p>Furthermore, appreciation for natural environment is articulated as the Group greatly depends on agricultural, livestock and marine productions to develop its Food and Health business. In addition, the Group is committed to various efforts to minimize environmental loads to global environment and ecosystems and to promote recycling-oriented production processes, to conduct business operations in harmony with global environment.</p>
Policies 1. Attitude	<ul style="list-style-type: none"> • Duty of a global corporation (Full compliance with relevant laws and regulations, timely and appropriate response to international standards and regulations, participation in debates and consensus building in the international arena, etc.) • Balanced attitude toward local diversity and globalization 	<p>The Group's commitments as a duty of a global corporation are articulated, including full compliance with laws and regulations, appropriate responses to international standards and regulations, and endeavors to play an active role in debates and consensus building in the international arena.</p> <p>It is stated that impartial, balanced attitude toward local diversity to develop its business globally because the global ecosystem and society cannot be sustained without diversified local ecosystems and communities</p>
2. Management system	<ul style="list-style-type: none"> • Establishment of environmental management systems (EMSs) such as ISO14001 • Systematic efforts toward sustainability based on EMSs 	<p>The revision refers to the necessity of establishing environmental management systems (EMSs) to promote environmental efforts more efficiently.</p>
3. Performance	<ul style="list-style-type: none"> • Responsibility and duty of a global corporation for global environmental issues • Efforts for resource and energy conservation and resource recycling under the Ajinomoto Group Zero Emissions Plan 	<p>In the revised version, the Group articulates its commitment to resource and energy conservation and resource recycling under the Ajinomoto Group Zero Emissions Plan. It is based on the recognition that the Group constantly uses substantial amount of finite natural resources as well as posing a certain level of pressure on the earth as its global business grows.</p>
4. Technology development	<ul style="list-style-type: none"> • Contribute to sustainability • Sustainable and environment-conscious business activities in every process of the business operations 	<p>Having specialized expertise and technology, the Group is committed to sustainability through sustainable and environment-conscious business activities in every aspect of the business operations as well as technology development in production process.</p>
5. Communication	<ul style="list-style-type: none"> • Dialogues and collaborations with the stakeholders • Education and trainings on sustainability for the employees • Information disclosure to the public including local communities around the Group's operation sites • Partnership with NGOs and related institutions • Supports for primary producers 	<p>In the revision, it is stated that the Group takes communications and dialogues with each stakeholder as important to learn and improve its business management.</p> <ul style="list-style-type: none"> • To the employees: offering sustainability education and trainings, so that they can take practical actions in the Group's sustainable initiatives, respectively. • To the public: disclosing information through various efforts such as stakeholders dialogues and plant tours to local residents • To NGOs, related institutions, customers, business partners: building meaningful relationships such as partnerships and collaborations • Others: supporting primary producers in agricultural, livestock and marine industries, aiming to secure safe and sustainable food supplies, etc.

Environmental Accounting

■ Scope of data collection: Ajinomoto Co., Inc.

Environmental Conservation Cost

■ Period: 2008/04~2009/03

Investment

(Unit: ¥ million)

Category	Item	FY2005	FY2006	FY2007	FY2008	Remarks
Business area cost	Environmental conservation cost to control environmental impacts which result from production and service activities within the business area	55	1,439	883	782	Amount invested in environment related facilities/equipment in three plants in Japan
	1) Pollution prevention cost	55	965	341	263	Maintaining air and water quality
	2) Global environmental conservation cost	0	340	213	515	CO2 emission reduction, energy saving
	3) Resource circulation cost	0	134	329	3	Co-products, waste recycle and waste disposal
Upstream/downstream cost	Environmental conservation cost to control environmental impacts which result from business operations upstream or downstream	0	0	0	0	
Administration cost	Environmental conservation cost stemming from administrative activities	0	7	0	21	
R&D cost	Environmental conservation cost stemming from related R&D activities	0	2	0	13	
Social activity cost	Environmental conservation cost stemming from social activities	0	0	0	1	
Environmental remediation cost	Cost incurred for dealing with environmental degradation	0	0	0	38	
Total		55	1,448	883	854	

Expenditure

(Unit: ¥ million)

Category	Item	FY2005	FY2006	FY2007	FY2008	Remarks
Business area cost	Environmental conservation cost to control environmental impacts which result from production and service activities within the business area	3,191	2,277	3,486	3,348	Amount for operations in environment related sector in three plants in Japan
	1) Pollution prevention cost	1,536	1,339	1,767	1,807	Maintaining air and water quality
	2) Global environmental conservation cost	48	0	57	42	CO2 emission reduction, energy saving
	3) Resource circulation cost	1,607	938	1,662	1,499	Co-products, waste recycle and waste disposal
Upstream/downstream cost	Environmental conservation cost to control environmental impacts which result from business operations upstream or downstream	495	674	550	467	The containers and packaging recycling law
Administration cost	Environmental conservation cost stemming from administrative activities	433	365	384	536	Maintaining EMS and environment related administration operations in head office (Social activities excluded)
R&D cost	Environmental conservation cost stemming from related R&D activities	289	313	443	2,700	Total amount for the area contributing to the environment (from FY08) (FY07 and before, only for the pollution prevention area)
Social activity cost	Environmental conservation cost stemming from social activities	378	295	165	213	Environmental Report, Eco Products and Environmental campaign etc.
Environmental remediation cost	Cost incurred for dealing with environmental degradation	0	9	0	6	Soil clean-up
Total		4,786	3,933	5,028	7,270	

Investment/ R&D expenditures (Ajinomoto Group)

(Unit: ¥ million)

Item	Detail	FY2005	FY2006	FY2007	FY2008	Remarks
Investment	Capital investment	21,600	19,500	17,400	19,847	
	Cost for environment related equipment/facility included in capital investment	55	1,448	883	854	
R&D	R&D	25,700	25,951	26,800	29,000	(*) Total amount for the area contributing to the environment (from FY08) (FY07 and before, only for the pollution prevention area)
	Cost for environment related development included in R&D (*)	289	313	443	2,700	

Major environmental conservation benefit

(Unit: ¥ billion)

Category	Item	Unit	FY2005	FY2006	FY2007	FY2008		
						Actual	Economic Effect *	
Production	Volume	Thousands of tons	182	184	180	188	—	
Input	Water	River water	Thousands of tons	41,831	41,245	41,888	29,501	—
		Industrial water	Thousands of tons	33,575	34,507	32,511	33,274	—
		Other	Thousands of tons	1,177	2,119	1,153	1,235	—
		Total water input	Thousands of tons	76,583	77,871	75,552	64,010	—
	Energy	Electricity	MWH	104,571	106,426	56,822	61,558	0.52
		City gas	KM3	58,319	181	63,199	60,994	-0.13
		LNG	KNM3	29,670	94,730	34,980	34,423	-0.24
		Heavy oil	KL	38,377	35,487	35,085	28,241	0.49
		Total energy input	TJ	5,580	5,776	5,700	5,323	—
		Per-unit energy usage	GJ/Production(t)	31	31	32	28	—
Output	Water	Discharged water	Thousands of tons	76,106	67,875	68,126	57,100	—
		Per-unit discharged water	t/Production (t)	0.42	0.37	0.38	0.30	—
		BOD emissions	t	379	125	164	163	—
		TN emissions	t	3,046	807	857	809	—
	CO2	CO2 emissions	Thousands of tons	339	345	333	308	0.06
		Per-unit CO2 emissions	t/Production(t)	1.86	1.88	1.85	1.64	—
	NOx	Emissions	t	229	239	199	175	—
	SOx	Emissions	t	685	851	834	589	—
	Waste	Waste production	Thousands of tons	101	121	106	97	—
		Resource recovery ratio	%	98.6	98.9	99.5	99.7	—
Value of waste product	Total amount	billion (JPY)	1.3	1.5	1.8	2.4	-1.02	
	Total weight	t	2,018	2,122	2,451	1,661	—	
Economic effect		billion (JPY)	—	—	—	—	-0.33	

*: ① Compared to FY2005 based on technical cost
② CO2 reduction benefit is calculation: ¥2,000/t-CO2

PRTR Substances and Emission Levels

Aggregation scope: Ajinomoto Co., Inc. and its substances in Japan
Aggregation period: April 1, 2008 to March 31, 2009
Data collection: substances used in amounts of 100kg or more in each site

(kg)

Substance name	Volume	Amount released to environment			Amount used in products	Volume transferred to waste	Recovery/Recycle
		Air	Water	Soil			
N, N-dimethylformamide	628,702	17	0	0	8,750	619,935	0
Decabromodiphenyl ether	229,175	0	0	0	0	229,175	0
Toluene	201,893	147,019	0	0	83	54,792	0
Pyrocatechol	151,940	0	632	0	151,308	0	0
Diglycidylether of Bisphenol A	123,526	0	0	0	40,518	83,008	0
Acetonitrile	81,832	4,603	347	0	0	76,122	761
Formaldehyde	34,847	18	0	0	33,871	958	0
Dichloromethane	31,931	1,230	0	0	0	581	30,120
m-phenylenediamine	19,686	0	0	0	19,686	0	0
Thiourea	12,250	0	0	0	11,145	1,105	0
4,4'-isopropylidenediphenol	9,209	0	0	0	9,209	0	0
Xylene	3,861	1,875	0	0	458	1,527	0
Phenol	2,788	0	0	0	962	1,826	0
Manganese and its compounds	1,293	45	1,248	0	0	0	0
Piperazine	1,090	0	0	0	1,090	0	0
LAS	543	0	514	0	0	29	0
3-(3,4-Dichlorophenyl)-1,1-dimethylurea	534	0	0	0	0	534	0
1,3,5-trimethylbenzene	363	0	0	0	0	363	0
Aniline	220	0	0	0	220	0	0
Cyclohexanamine	181	163	18	0	0	0	0
Chlorodifluoromethane	161	135	0	0	0	0	26
Zinc compounds (water-soluble)	115	0	0	0	115	0	0
Total	1,536,140	155,105	2,759	0	277,415	1,069,954	30,906

Ajinomoto Co., Inc. Kawasaki Plant Site (Plant & Research laboratories)

INPUT

Item	Unit	FY2008
Input energy	TJ	2,515
Volume of water consumed	km ³	38,471

- Location: Kawasaki City, Kanagawa Prefecture
- Main Products: seasonings, amino acids
- Date ISO14001 Certification Acquired: March, 2001 (plant area)
March, 2003 (research laboratories)

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	45.1
Volume of recovered resources	kt	45.0
Resource recovery ratio	%	99.8
Volume of disposed waste	kt	0.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	31,125
BOD	t	44.7
T-N	t	307.7
T-P	t	

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	129.4
SO _x	t	0.0
NO _x	t	79.5

●Main PRTR Substances used

Substance name	Unit	Volume
Pyrocatechol	kg/year	151,940
Acetonitrile	kg/year	2,369
Dichloromethane	kg/year	446

●Main PRTR Substances released

Substance name	Unit	Volume
Pyrocatechol	kg/year	632
LAS	kg/year	388
Manganese and its compounds	kg/year	359

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Co., Inc. Tokai Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	1,539
Volume of water consumed	km ³	14,663

- Location: Yokkaichi City, Mie Prefecture
- Main Products: sweeteners, seasonings, specialty chemicals, amino acids
- Date ISO 14001 Certification Acquired: November, 1999

OUTPUT

●Waste and Resource Recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	21.1
Volume of recovered resources	kt	21.0
Resource recovery ratio	%	99.9
Volume of disposed waste	kt	0.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	15,112
BOD	t	78.7
T-N	t	229.6
T-P	t	32.0

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	82.3
SO _x	t	0.0
NO _x	t	28.9

●Main PRTR Substances used

Substance name	Unit	Volume
N,N-dimethylformamide	kg/year	614,500
Toluene	kg/year	166,545
Acetonitrile	kg/year	78,465

●Main PRTR Substances released

Substance name	Unit	Volume
Toluene	kg/year	146,859
Acetonitrile	kg/year	4,710

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³		293.70
Incinerator ash (soot and dust)	ng-TEQ/g		0.00
Water quality (discharge outlet)	pg-TEQ/l		44.00

Ajinomoto Co., Inc. Kyushu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	1,236
Volume of water consumed	km ³	19,840

- Location: Saga City, Saga Prefecture
- Main Products: amino acids
- Date ISO 14001 Certification Acquired: July 1998

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	28.7
Volume of recovered resources	kt	28.6
Resource recovery ratio	%	99.7
Volume of disposed waste	kt	0.1

●Main PRTR Substances used

Substance name	Unit	Volume
Manganese and its compounds	kg/year	906
Acetonitrile	kg/year	238
Cyclohexanamine	kg/year	181

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	10,840
BOD	t	153.3
T-N	t	720.5
T-P	t	

●Main PRTR Substances released

Substance name	Unit	Volume
Manganese and its compounds	kg/year	906
Acetonitrile	kg/year	238
Cyclohexanamine	kg/year	181

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	94.0
SO _x	t	589.1
NO _x	t	63.0

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Knorr Foods Co., Ltd. Kawasaki Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	80
Volume of water consumed	km ³	62

- Location: Kawasaki City, Kanagawa Prefecture
- Main Products: soups, sauces
- Date ISO 14001 Certification Acquired: July 2003

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.2
Volume of recovered resources	kt	1.2
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Main PRTR Substances used

Substance name	Unit	Volume
Dichloromethane	kg/year	80

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	50
BOD	t	7.2
T-N	t	0.3
T-P	t	

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	6.2
SO _x	t	
NO _x	t	

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Knorr Foods Co., Ltd. Tokai Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	125
Volume of water consumed	km ³	627

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.7
Volume of recovered resources	kt	1.7
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	556
BOD	t	0.3
T-N	t	0.2
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	8.9
SOx	t	
NOx	t	

- Location: Shimada City, Shizuoka Prefecture
- Main Products: retort foods, soups, pharmaceuticals
- Date ISO 14001 Certification Acquired: August 2002

●Main PRTR Substances used

Substance name	Unit	Volume
Chlorodifluoromethane	kg/year	161

●Main PRTR Substances released

Substance name	Unit	Volume
Chlorodifluoromethane	kg/year	135

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Knorr Foods Co., Ltd. Chubu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	61
Volume of water consumed	km ³	126

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.5
Volume of recovered resources	kt	2.5
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	91
BOD	t	0.2
T-N	t	0.2
T-P	t	0.1

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	4.9
SOx	t	
NOx	t	

- Location: Yokkaichi City, Mie Prefecture
- Main Products: soups, mayonnaise
- Date ISO 14001 Certification Acquired: November 2002

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Frozen Foods Co., Inc. Kanto Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	119
Volume of water consumed	km ³	284

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.4
Volume of recovered resources	kt	2.4
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	169
BOD	t	
T-N	t	
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	10.5
SO _x	t	0.4
NO _x	t	0.5

- Location: Oura-gun, Gunma Prefecture
- Main Products: frozen foods
- Date ISO 14001 Certification Acquired: March 2005

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Frozen Foods Co., Inc. Shikoku Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	118
Volume of water consumed	km ³	183

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.8
Volume of recovered resources	kt	2.5
Resource recovery ratio	%	88.7
Volume of disposed waste	kt	0.3

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	85
BOD	t	
T-N	t	
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchase electricity included)	kt	10.2
SO _x	t	0.7
NO _x	t	0.4

- Location: Sanuki City, Kagawa Prefecture
- Main Products: frozen foods
- Date ISO 14001 Certification Acquired: March 2005

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Frozen Foods Co., Inc. Kyushu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	66
Volume of water consumed	km ³	154

<ul style="list-style-type: none"> ● Location: Saga-gun, Saga Prefecture ● Main Products: frozen foods ● Date ISO 14001 Certification Acquired: March 2003

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.9
Volume of recovered resources	kt	0.9
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	91
BOD	t	5.9
T-N	t	2.4
T-P	t	

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	5.8
SO _x	t	1.5
NO _x	t	120.5

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Frozen Foods Co., Inc. Chubu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	96
Volume of water consumed	km ³	200

<ul style="list-style-type: none"> ● Location: Ibi-gun, Gifu Prefecture ● Main Products: frozen foods ● Date ISO 14001 Certification Acquired: February 2000

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.9
Volume of recovered resources	kt	1.9
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	105
BOD	t	0.5
T-N	t	0.2
T-P	t	0.3

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	7.8
SO _x	t	0.3
NO _x	t	0.9

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Medica Co., Ltd. Saitama Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	122
Volume of water consumed	km ³	144

- Location: Hiki-gun, Saitama Prefecture
- Main Products: infusions
- Date ISO 14001 Certification Acquired: April 2006 (Scope extension)
(Original certification is March 2005)

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.5
Volume of recovered resources	kt	0.5
Resource recovery ratio	%	99.7
Volume of disposed waste	kt	0.0

●Main PRTR Substances used

Substance name	Unit	Volume
Zinc compound (water-soluble)	kg/year	115

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	105
BOD	t	1.1
T-N	t	0.7
T-P	t	0.1

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	8.1
SO _x	t	0.0
NO _x	t	3.7

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Medica Co., Ltd. Fukushima Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	100
Volume of water consumed	km ³	57

- Location: Shirakawa City, Fukushima Prefecture
- Main Products: elemental diet products, insulin secretagogue
- Date ISO 14001 Certification Acquired: April 2006 (Scope extension)
(Original certification is March 2005)

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.6
Volume of recovered resources	kt	0.6
Resource recovery ratio	%	99.8
Volume of disposed waste	kt	0.0

●Main PRTR Substances used

Substance name	Unit	Volume
Dichloromethane	kg/year	30,868
Acetonitrile	kg/year	761

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	33
BOD	t	0.3
T-N	t	0.3
T-P	t	

●Main PRTR Substances released

Substance name	Unit	Volume
Dichloromethane	kg/year	1,227

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	7.6
SO _x	t	0.0
NO _x	t	0.6

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/l		

Ajinomoto Medica Co., Ltd. Shimizu Factory

INPUT

Item	Unit	FY2008
Input energy	TJ	63
Volume of water consumed	km ³	283

- Location: Shizuoka City, Shizuoka Prefecture
- Main Products: infusions
- Date ISO 14001 Certification Acquired: April 2006

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.8
Volume of recovered resources	kt	1.8
Resource recovery ratio	%	99.1
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	254
BOD	t	0.2
T-N	t	0.1
T-P	t	

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	4.8
SO _x	t	0.0
NO _x	t	1.8

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge)	pg-TEQ/l		

Ajinomoto Medica Co., Ltd. Oigawa Factory

INPUT

Item	Unit	FY2008
Input energy	TJ	219
Volume of water consumed	km ³	699

- Location: Shita-gun, Shizuoka Prefecture
- Main Products: infusions
- Date ISO 14001 Certification Acquired: April 2006

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.8
Volume of recovered resources	kt	0.8
Resource recovery ratio	%	99.8
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	523
BOD	t	0.1
T-N	t	0.1
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (direct combustion of fossil fuels)	kt	14.7
SO _x	t	1.4
NO _x	t	5.9

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge)	pg-TEQ/l		

Calpis Co., Ltd. Gunma Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	386
Volume of water consumed	km ³	2,279

- Location: Tatebayashi City, Gunma Prefecture
- Main Products: beverages
- Date ISO 14001 Certification Acquired: December 2000

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	5.0
Volume of recovered resources	kt	5.0
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	1,727
BOD	t	6.5
T-N	t	6.4
T-P	t	0.1

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (purchased electricity included)	kt	25.6
SO _x	t	0.0
NO _x	t	11.4

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge)	pg-TEQ/l		

Calpis Co., Ltd. Okayama Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	124
Volume of water consumed	km ³	661

- Location: Soja City, Okayama Prefecture
- Main Products: beverages
- Date ISO 14001 Certification Acquired: June 2000

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.3
Volume of recovered resources	kt	2.3
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km ³	568
BOD	t	
T-N	t	
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO ₂ (direct combustion of fossil fuels)	kt	8.4
SO _x	t	0.0
NO _x	t	720.7

●Main PRTR Substances used

Substance name	Unit	Volume
LAS	kg/year	155

●Main PRTR Substances released

Substance name	Unit	Volume
LAS	kg/year	155

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm ³	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge)	pg-TEQ/l		

Thailand Area Ajinomoto Co., (Thailand) Ltd.

INPUT

Item	Unit	FY2008
Input energy	TJ	6,011
Volume of water consumed	kt	16,802

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	303.3
Volume of recovered resources	kt	302.1
Resource recovery ratio	%	99.6
		99.6
		99.9
		60.4
Volume of disposed waste	kt	1.2

Phra Pradaeng Factory
Pathum Thani Factory
Kamphaeng Phet Factory
Nong Khae Factory

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	14,354
BOD	t	12.9
T-N	t	18.4
T-P	t	41.9

●Location: Thailand

●Main Products: seasonings, feed use amino acids

Date ISO14001 Certification Acquired:	
July 2003	Phra Pradaeng Factory
September 2001	Pathum Thani Factory
June 2002	Kamphaeng Phet Factory
January 2006	Nong Khae Factory

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	489.6
SOx	t	870.4
NOx	t	598.9

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Manganese and its compounds	kg/year	7,444	0

Brazil Area Ajinomoto Interamericana Industria e Comercio Ltda., Limeira Plant, Valparaiso Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	4,465
Volume of water consumed	kt	11,232

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	888.4
Volume of recovered resources	kt	881.0
Resource recovery ratio	%	97.7
		99.9
		99.6
		99.9
Volume of disposed waste	kt	7.4

Limeira Plant
Valparaiso Plant
Laranjal Paulista Plant
Pederneiras Plant

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	7,440
BOD	t	32.1
T-N	t	1,311.2
T-P	t	

●Location: Brazil

●Main Products: seasonings, feed-use amino acids

Date ISO14001 Certification Acquired:	
December 2001	Limeira Plant
June 2003	Laranjal Paulista Plant
November 2004	Valparaiso Plant
November 2007	Pederneiras Plant

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	198.8
SOx	t	483.2
NOx	t	461.1

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Acetonitrile	kg/year	288	0
Toluene	kg/year	4	0

**France Area Ajinomoto Euro-Aspartame S.A.S Dunkerque Plant,
AJINOMOTO EUROLYSINE S.A.S Amiens Plant, Ajinomoto Foods Europe S.A.S Nesle Plant**

INPUT

Item	Unit	FY2008
Input energy	TJ	4,791
Volume of water consumed	kt	11,520

- Location: France
- Main Products: sweeteners and feed-use amino acid, seasonings
- Date ISO14001 Certification Acquired:
 - January 2006 Dunkerque Plant
 - March 2006 Amiens Plant
 - December 2006 Nesle Plant

OUTPUT

● Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	221.7
Volume of recovered resource	kt	213.4
Resource recovery ratio	%	45.6 Dunkerque Plant
		99.8 Amiens Plant
		99.9 Nesle Plant
Volume of disposed waste	kt	8.3

● Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	197.1
SOx	t	0.5
NOx	t	50.1

● Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	10,136
BOD	t	71.2
T-N	t	183.9
T-P	t	

● Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Toluene	kg/year	54,990,000.0	0.0
Formaldehyde	kg/year	823.0	0.0

U.S.A Area Ajinomoto Food Ingredients LLC Iowa Plant, Ajinomoto Heartland LLC Eddyville Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	3,870
Volume of water consumed	kt	3,996

- Location: U.S.A
- Main Products: seasonings, feed-use amino acids, pharmaceutical-use amino acids
- Date ISO14001 Certification Acquired:
 - November 2003 Iowa Plant
 - April 2004 Eddyville Plant
 - May 2004 North Carolina Plant

OUTPUT

● Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	201.6
Volume of recovered resource	kt	201.1
Resource recovery ratio	%	99.9 Iowa Plant
		99.7 Eddyville Plant
		98.6 North Carolina Plant
Volume of disposed waste	kt	0.5

● Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	271.8
SOx	t	2.3
NOx	t	97.2

● Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	3,441
BOD	t	1,777.4
T-N	t	433.0
T-P	t	

● Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Manganese and its compounds	kg/year	15,637.0	15,397.0
Formaldehyde	kg/year	34.0	34.0
Acetonitrile	kg/year	13.0	13.0

**China Area Shanghai Ajinomoto Seasoning Co., Ltd. , CHUANHUA AJINOMOTO CO., LTD. ,
HENAN AJINOMOTO AMINO ACID CO., LTD. , Shanghai Ajinomoto Amino Acid Co., Ltd.**

INPUT

Item	Unit	FY2008
Input energy	TJ	767
Volume of water consumed	kt	2,307

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	63.3
Volume of recovered resource	kt	62.8
Resource recovery ratio		67.1 Shanghai Seasoning
		99.7 CHUANHUA
		99.8 HENAN AMINO ACID
		90.1 Shanghai Amino Acid
Volume of disposed waste	kt	0.5

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	1,905
BOD	t	32.8
T-N	t	27.5
T-P	t	0.1

- Location: China
- Main Products: feed-use amino acids, pharmaceutical-use amino acids, seasonings, retort curry etc.
- Date ISO14001 Certification Acquire

January 2005	CHUANHUA AJINOMOTO
July 2005	HENAN AJINOMOTO AMINO ACID
September 2005	Shanghai Ajinomoto Amino Acid
February 2006	SHANGHAI HOUSE AJINOMOTO FOODS
February 2008	Shanghai Ajinomoto Seasoning

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	84.7
SOx	t	5.2
NOx	t	10.7

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
N/A			

Business sites of Ajinomoto Group certified with ISO 14001 etc.

As of August, 2009

■ Overview

		Certified	In progress	Total	Progress rate
In Japan	Ajinomoto Co., Inc.	23	0	23	100%
	Subsidiaries in Japan	56	1	57	98%
	Sub total	(79)	(1)	(80)	99%
Outside Japan		40	9	49	82%
	Group total	119	10	129	92%

		Certified	In progress	Total	Progress rate
Ajinomoto Co., Inc.		23	0	23	100%
Subsidiaries of Ajinomoto Co., Inc.	Corporate	3	1	4	75%
	Food Products Company	32	4	36	89%
	Amino Acids Company	17	0	17	100%
	Pharmaceutical Company	7	0	7	100%
	China Business Strategy & Planning Division	6	0	6	100%
Ajinomoto Frozen Foods Co., Inc. and its subsidiaries		14	4	18	78%
AJINOMOTO LOGISTICS CORPORATION and its subsidiaries		9	0	9	100%
AJINOMOTO BAKERY CO., LTD. and its subsidiaries		2	0	2	100%
Calpis Co., Ltd. and its subsidiaries		6	1	7	86%
	Group total	119	10	129	92%

■ Detail

FY	Business sites and Group Company	Certified in	
1998	Ajinomoto Co., Inc. Kyushu Plant	1998.07	
1999	Ajinomoto Co., Inc. Tokai Plant	1999.11	
	Ajinomoto Frozen Foods Co., Inc. Chubu Plant	2000.02	
2000	Calpis Co., Ltd. Okayama Plant	2000.06	
	Calpis Co., Ltd. Gunma Plant	2000.12	
	Ajinomoto Vietnam Co., Ltd. Bien Hoa Plant	【Vietnam】 2001.03	
2001	Ajinomoto Co., Inc. Kawasaki Plant	2001.03	
	Ajinomoto Co., (Thailand) Ltd. Pathum Thani Factory	【Thailand】 2001.09	
	Ajinomoto Interamericana Indústria e Comércio Ltda. Limeira Plant	【Brazil】 2001.12	
	Lianyungang Ajinomoto Ruyi Foods Co., Ltd.	【China】 2002.02	
2002	Lianyungang Ajinomoto Frozen Foods Co., Ltd.	【China】 2002.02	
	Ajinomoto Co., (Thailand) Ltd. Kamphaeng Phet I Factory	【Thailand】 2002.06	
	Knorr Foods Co., Ltd. Tokai Plant	2002.08	
	Knorr Foods Co., Ltd. Chubu Plant	2002.11	
	Ajinomoto Engineering Corporation	2003.02	
	Ajinomoto Frozen Foods Co., Inc. Kyushu Plant	2003.03	
	Ajinomoto Co., Inc. Research Laboratories and Center	2003.03	
	Ajinomoto Fine-Techno Co., Inc. Head Office	2003.03	
	2003	Ajinomoto Co., Inc. Head Office and Branch Offices (18 offices)	2003.04
		Ajinomoto Biolatina Indústria e Comércio Ltda. Laranjal Paulista Plant	【Brazil】 2003.06
Calpis Co., Ltd. Head Office		2003.06	
Knorr Foods Co., Ltd. Kawasaki Plant		2003.07	
Ajinomoto Co., (Thailand) Ltd. Phra Pradaeng Factory		【Thailand】 2003.07	
Hokkaido Ajinomoto Co., Inc.		2003.09	
Ajinomoto Food Ingredients LLC		【America】 2003.11	
Ajinomoto Fine-Techno Co., Inc. Activated Carbon Division		2003.12	
PT Ajinex International		【Indonesia】 2004.02	
PT Ajinomoto Indonesia Mojokerto Factory	【Indonesia】 2004.02		

FY	Business sites and Group Company	Certified in	
2004	Ajinomoto Heartland LLC	【America】 2004.04	
	FLAVOR FOOD PRODUCTS INTERNATIONAL INC.	【Philippines】 2004.04	
	Ajinomoto AminoScience LLC	【America】 2004.05	
	Calpis Foods Service Co., Ltd.	2004.06	
	Ajinomoto Packaging Co., Inc. Head Office	2004.07	
	Ajinomoto Packaging Co., Inc. Kansai Plant	2004.07	
	Ajinomoto Packaging Co., Inc. Kanto Plant	2004.07	
	Bonito Technical Laboratory Co., Inc.	2004.08	
	Hokkaido Knorr Foods Co., Ltd. Kunneppu Plant	2004.09	
	Hokkaido Knorr Foods Co., Ltd. Mikasa Plant	2004.09	
	Hokkaido Knorr Foods Co., Ltd. Tokachi Plant	2004.09	
	Okinawa Ajinomoto Co., Inc.	2004.11	
	Ajinomoto Biolatina Indústria e Comércio Ltda. Valparaíso Plant	【Brazil】 2004.11	
	CHUANHUA AJINOMOTO CO., LTD.	【China】 2005.01	
	Fuji Ace Co., Ltd. Bangpoo Factory	【Thailand】 2005.03	
	Ajinomoto Frozen Foods Co., Inc. Head Office	2005.03	
	Ajinomoto Frozen Foods Co., Inc. Kanto Plant	2005.03	
	Ajinomoto Frozen Foods Co., Inc. Shikoku Plant	2005.03	
	AJINOMOTO BAKERY CO., LTD. Head Office and Shimada Plant	2005.03	
	2005	Ajinomoto Packaging Co., Inc. Sano Plant	2005.06
Calpis Logistics Service Co., Ltd.		2005.06	
HENAN AJINOMOTO AMINO ACID CO., LTD.		【China】 2005.07	
Ajinomoto Poland Sp. z o.o.		【Poland】 2005.08	
Shanghai Ajinomoto Amino Acid Co., Ltd.		【China】 2005.09	
Ajinomoto Communications, Inc.		2005.09	
FFA International Co., Ltd.		2005.11	
Ace Kounai Service Corporation		2005.11	
Komec Co., Ltd. Osaka Plant		2005.12	
Komec Co., Ltd. Tokyo Plant		2005.12	
Ajinomoto Frozen Foods (Thailand) Co., Ltd.		【Thailand】 2005.12	
AJINOMOTO HEALTHY SUPPLY, INC. Takasaki Plant		2005.12	
Vege Pro Foods Co., Ltd.		2006.01 *1	
Ajinomoto Sweeteners Europe S.A.S.		【France】 2006.01	
Ajinomoto Co., (Thailand) Ltd. Nong Khae Factory		【Thailand】 2006.01	
Ajinomoto Co., (Thailand) Ltd. Kamphaeng Phet II Factory		【Thailand】 2006.02	
SHANGHAI HOUSE AJINOMOTO FOODS CO., LTD.		【China】 2006.02	
Ajinomoto (Malaysia) Berhad		【Malaysia】 2006.03	
AJINOMOTO EUROLYSINE S.A.S.		【France】 2006.03	
Ajinomoto Medica Co., Ltd Head Office		2006.03	
Ajinomoto Medica Co., Ltd Oigawa Plant		2006.03	
Ajinomoto Medica Co., Ltd Shimizu Plant		2006.03	
Ajinomoto Medica Co., Ltd Kanto Logistics Center		2006.03	
Ajinomoto Medica Co., Ltd Shizuoka Distribution Center		2006.03	
Ajinomoto Co., Inc. Parenteral & Enteral Nutrition and Dialysis Research Laboratories		2006.03	
2006		Ajinomoto Medica Co., Ltd Saitama Plant	2006.04 *2
		Ajinomoto Medica Co., Ltd Fukushima Plant	2006.04 *2
	AJINOMOTO LOGISTICS CORPORATION	2006.05 *3	
	Chuo Ace Butsuryu Corporation		
	Kansai Ace Butsuryu Corporation		
	Kanto Ace Butsuryu Corporation		
	Hokkaido Ace Butsuryu Corporation		
	Tokai Ace Butsuryu Corporation		
	Tohoku Ace Butsuryu Corporation		
	Kyushu Ace Butsuryu Corporation	2006.06	
	Nippon Protein Co., Ltd. Ashikaga Plant	2006.06	
	Wan Thai Foods Industry Co., Ltd.	【Thailand】 2006.07	
	Xiamen Ajinomoto Life Ideal Foods Co., Ltd.	【China】 2006.09	
Ajinomoto Calpis Beverage (Thailand) Co., Ltd.	【Thailand】 2006.10		

FY	Business sites and Group Company	Certified in
2006	AJINOMOTO FOODS EUROPE S.A.S. [France]	2006.12
	S.A. Ajinomoto OmniChem N.V. Louvain-la-Neuve Plant [Belgium]	2006.12
	S.A. Ajinomoto OmniChem N.V. Wetteren Plant [Belgium]	2006.12
	S.A. Ajinomoto OmniChem N.V. Balen Plant [Belgium]	2006.12
	FREC KANTO CO., LTD.	2007.02
	ACE BAKERY CO., LTD.	2007.03
2007	Ajinomoto del Perú S.A Callao Plant [Peru]	2007.05
	Ajinomoto Biolatina Indústria e Comércio Ltda. Pederneiras Plant [Brazil]	2007.11
	FREC DESSERT CO., LTD. Main Plant	2008.01
	Delica Ace Co., Ltd. Kamio Plant	2008.02
	Shanghai Ajinomoto Seasoning Co., Ltd. [China]	2008.02
2008	Ajinomoto Fine-Techno Co., Inc. Gunma Plant	2008.06
	FD Green (Thailand) Co., Ltd. [Thailand]	2008.10
	Delica Ace Co., Ltd. Yamagata Plant	2008.12
	Global Cebu Foods Corporation [Philippines]	2009.01
	Xiamen Ajiraku Ideal Foods Co., Ltd. [China]	2009.06

*1: The certification acquired by Vege Pro Foods Co., Ltd. is "Eco Action 21".

*2: Saitama and Fukushima Plant of Ajinomoto Medica Co., Ltd. have renewed their certification in April, 2006 as scope extension of the previous scope certified in March 2005, due to the merger.

*3: The previously obtained Green Management Certifications by the transportation subsidiaries of AJINOMOTO LOGISTICS CORPORATION (ALC) were integrated in ALC's ISO14001 certification.

Note: Malaysia Packaging Industry Berhad was excluded from the scope of the Ajinomoto Group's environmental management system since FY 2005.

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