

Meiji Group Environmental Data FYE 3/2025

Meiji Holdings Co., Ltd.

The global energy consumption volume, global CO₂ emissions (Scope 1 and 2), CO₂ emissions in Japan (Scope 3 Category 1), global water usage volume, and waste amount in Japan (items with a ☒) for FYE 3/2025 (April 1, 2024 – March 31, 2025) are received third-party assurance by Ernst & Young ShinNihon LLC to ensure reliability.

●Environmental Management

			Unit	FYE 3/2025				
Third-party certification	ISO14001	Japan	–	Certified at 29 factories、1 laboratories, and 12 group companies				
		Overseas	–	Certified at 4 group companies				
	Percentage of sites covered by ISO14001*1	Global*4	%	80.0				
			Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
Number of violations of environmental laws and regulations		Global*4	Incidents	0	0	0	0	0
Number of fines for violations of environmental laws			Incidents	0	0	0	0	0
Number of major environmental accidents			Incidents	2	1	0	1	0

●Circular Economy

			Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
Raw materials used	Total*2	Global*4	ten thousand tons	173.0	176.2	160.8	267.2	266.9
	Raw milk		ten thousand tons	–	134.6	128.3	122.4	122.6
	Wheat & starches		ten thousand tons	–	12.6	4.7	5.6	5.6
	Sugars		ten thousand tons	–	10.0	10.1	50.0	48.6
	Milk-derived raw materials		ten thousand tons	–	4.6	5.8	5.0	5.1
	Feed		ten thousand tons	–	–	–	62.1	63.0
	Others		ten thousand tons	–	14.3	12.0	22.1	21.9

			Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
Packaging used	Total	Global*4	ten thousand tons	–	18.1	17.9	16.5	16.5
	Paper		ten thousand tons	–	6.1	5.7	5.5	5.6
	Cardboard		ten thousand tons	–	6.4	6.5	6.1	6.2
	Plastic, PET bottles		ten thousand tons	–	4.1	4.1	3.6	3.9
	Steel		ten thousand tons	–	0.7	0.7	0.8	0.4
	Aluminium		ten thousand tons	–	0.1	0.1	0.1	0.1
	Glass, Glass bottles		ten thousand tons	–	0.6	0.7	0.4	0.4
Waste amount*3	Japan		ten thousand tons	2.6	2.4	2.4	2.2	1.6 <input checked="" type="checkbox"/>
	Per unit of sales (Japan)		tons/hundred million yen	2.4	2.2	2.5	2.3	1.6
	Global*4		ten thousand tons	3.0	2.8	2.7	2.7	2.3
	Per unit of sales (Global*4)		tons/hundred million yen	2.5	2.3	2.5	2.4	2.0
Hazardous waste emissions			ten thousand tons	0.2	0.1	0.1	0.1	0.2
Recycled volume*3			ten thousand tons	2.0	2.0	2.0	1.9	1.4
Recycling rate			%	–	80.5	86.2	88.2	85.5
Final disposal volume (Landfill)			ten thousand tons	0.1	0.1	0.1	0.1	0.1
Reduction of food product waste*11			%	△29.3	△34.1	△31.5	△26.8	△25.0
Total weight of all food loss & waste*11			ten thousand tons	–	–	–	2.5	2.0
Total weight of food loss & waste recycled*11			ten thousand tons	–	–	–	2.4	1.9
Total weight of food loss*11			t	–	–	–	978	689
Per unit of sales			tons/hundred million yen	–	–	–	0.12	0.08
Food recycling rate for the food segment			%	–	–	–	96.0	96.5
Rate of reduction for plastic use (total volume)*11			%	△11.7	△16.0	△18.3	△22.1	TBC
Rate of reduction for virgin plastic use*11			%	–	–	–	–	TBC
Percentage of recycled PET used*11			%	–	–	–	–	TBC

●Water

		Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
Water usage volume ^{*17} (by region)	Global ^{*4}	thousand m ³	22,571	21,255	20,623	20,885	18,854 <input checked="" type="checkbox"/>
	Per unit of sales(Global ^{*4})	m ³ /hundred thousand yen	1.89	1.78	1.94	1.89	1.63
	Japan	thousand m ³	21,189	19,808	19,516	19,468	17,254
	Per unit of sales (Japan)	m ³ /hundred thousand yen	1.92	1.83	2.07	2.00	1.72
	China ^{*5}	thousand m ³	845	879	509	811	1,030
	Asia (excluding China) ^{*6}	thousand m ³	479	497	542	546	516
	North America & Europe ^{*7}	thousand m ³	58	71	57	59	53
Water usage volume ^{*17} (by water source)	Total fresh water	thousand m ³	22,571	21,255	20,623	20,885	18,854
		%	100.0	100.0	100.0	100.0	100.0
	Tap water	thousand m ³	2,391	2,259	1,845	2,043	1,855
		%	10.9	10.6	9.0	9.8	9.8
	Water for industrial use	thousand m ³	4,888	4,680	4,505	4,298	4,200
		%	22.3	22.0	21.8	20.6	22.3
	Rivers, lakes, and marshes	thousand m ³	0	0	0	0	0
		%	0.0	0.0	0.0	0.0	0.0
	Ground water	thousand m ³	15,289	14,313	14,270	14,542	12,793
		%	66.7	67.3	69.2	69.6	67.9
	Rainwater	thousand m ³	3	3	3	3	6
		%	0.0	0.0	0.0	0.0	0.0
Water drainage volume (by region)	Global ^{*4}	thousand m ³	18,226	17,397	17,412	19,388	17,759
	Japan	thousand m ³	17,248	16,450	16,732	18,358	16,525
	China ^{*5}	thousand m ³	761	739	441	758	949
	Asia (excluding China) ^{*6}	thousand m ³	162	178	208	241	249
	North America & Europe ^{*7}	thousand m ³	54	31	30	31	35
Water draining volume (by destination)	Total	thousand m ³	18,226	17,397	17,404	19,388	17,759
		%	100.0	100.0	100.0	100.0	100.0
	Sewerage	thousand m ³	8,156	7,979	7,479	7,319	6,871
		%	44.7	45.9	43.0	37.8	38.7
	Discharge into rivers	thousand m ³	9,991	9,324	9,845	11,972	10,798
		%	54.8	53.6	56.6	61.7	60.8
	Discharge into ocean	thousand m ³	0	0	0	0	0
		%	0.0	0.0	0.0	0.0	0.0
	Discharge into ground water (including irrigation)	thousand m ³	78	94	80	93	91
		%	0.4	0.5	0.5	0.5	0.5
Water used as raw material for products ^{*18}		thousand m ³	－	3,858	3,212	1,497	1,095
Water source recharge volume		thousand m ³	－	934	1,326	1,661	2,083
Water source recharge rate ^{*19}		%	－	24.2	41.3	111.0 ^{*20}	190.3

●Biodiversity

		Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
Implementation rate of biodiversity conservation activities at manufacturing sites (Global ^{*4})		%	38.8 ^{*8}	61.9 ^{*8}	77.1 ^{*8}	100	98.1
	Japan	%	36.2 ^{*8}	67.4 ^{*8}	81.4 ^{*8}	100	100
	Overseas	%	45.0 ^{*8}	50.0 ^{*8}	66.7 ^{*8}	100	92.3

●Climate Change

			Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025	
Energy consumption volume (Global*4)			TJ	11,439	11,095	11,020	10,075	10,021 <input checked="" type="checkbox"/>	
			Per unit of sales	TJ/hundred million yen	1.0	0.9	1.0	0.9	0.9
Energy consumption volume (Japan)			oil:10,000 kL	24.8	24.0	23.5	21.5	20.5	
			TJ	9,766	9,424	9,236	8,315	7,956	
			Per unit of sales	TJ/hundred million yen	0.9	0.9	1.0	0.9	0.8
Energy consumption volume (Global*4)		Electricity consumption volume	MWh	631,404	772,659	760,199	757,827	774,189	
CO ₂ emissions	Global ^{*4}	Scope1	ten thousand tons of CO ₂	23.9	24.5	22.9	20.9	20.0 <input checked="" type="checkbox"/>	
		Scope2	ten thousand tons of CO ₂	32.4	29.1	28.5	26.3	26.1 <input checked="" type="checkbox"/>	
		Per unit of sales (Scope1+2)	t-CO ₂ /hundred million yen	47.2	44.8	48.4	42.7	40.0	
	Japan	Scope1	ten thousand tons of CO ₂	21.5	22.1	20.5	18.4	17.3	
		Scope2	ten thousand tons of CO ₂	25.4	21.6	21.9	18.8	17.7	
		Per unit of sales ^{*9} (Scope1+2)	t-CO ₂ /hundred million yen	42.4	40.3	45.0	38.2	34.9	
	China ^{*5}	Scope1	ten thousand tons of CO ₂	0.3	0.3	0.2	0.4	0.6	
		Scope2	ten thousand tons of CO ₂	2.6	2.7	1.8	2.3	3.3	
	Asia (excluding China) ^{*6}	Scope1	ten thousand tons of CO ₂	1.0	1.0	1.1	1.1	1.1	
		Scope2	ten thousand tons of CO ₂	3.6	3.9	4.1	4.5	4.7	
	North America & Europe ^{*7}	Scope1	ten thousand tons of CO ₂	1.1	1.1	1.0	1.0	1.1	
		Scope2	ten thousand tons of CO ₂	0.8	0.8	0.7	0.7	0.5	

			Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
CO ₂ emissions	Japan	Scope 3 total	ten thousand tons of CO ₂	294.8	302.7	348.4	420.5	415.3
		Category 1 Purchased goods and services	ten thousand tons of CO ₂	225.9	228.4	279.2	349.2	343.0 <input checked="" type="checkbox"/>
		Category 2 Capital goods	ten thousand tons of CO ₂	21.3	29.2	22.6	16.8	17.8
		Category 3 Fuel- and energy-related activities (not included in Scope 1 and 2)	ten thousand tons of CO ₂	2.1	1.9	8.7	7.8	7.1
		Category 4 Upstream transportation and distribution	ten thousand tons of CO ₂	24.3	23.7	21.9	20.5	20.4
		Category 5 Waste generated in operations	ten thousand tons of CO ₂	1.1	0.8	0.8	0.8	0.8
		Category 6 Business travel	ten thousand tons of CO ₂	0.2	0.2	0.1	0.2	0.1
		Category 7 Employee commuting	ten thousand tons of CO ₂	0.4	0.4	0.4	0.4	0.5
		Category 8 Upstream leased assets	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 9 Downstream transportation and distribution	ten thousand tons of CO ₂	15.6	14.7	11.2	21.7	22.4
		Category 10 Processing of sold products	ten thousand tons of CO ₂	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts
		Category 11 Use of sold products	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 12 End-of-life treatment of sold products	ten thousand tons of CO ₂	3.9	3.6	3.3	3.1	3.2
		Category 13 Downstream leased assets	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 14 Franchises	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 15 Investments	ten thousand tons of CO ₂	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts

			Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
CO ₂ emissions	Global	Scope 3 total	ten thousand tons of CO ₂	313.5	322.7	390.5	466.5	464.2
		Category 1 Purchased goods and services	ten thousand tons of CO ₂	241.0	244.2	316.6	390.3	386.2
		Category 2 Capital goods	ten thousand tons of CO ₂	21.3	29.2	22.6	16.8	17.8
		Category 3 Fuel- and energy-related activities (not included in Scope 1 and 2)	ten thousand tons of CO ₂	2.5	2.3	10.3	9.4	8.9
		Category 4 Upstream transportation and distribution	ten thousand tons of CO ₂	25.4	24.8	23.0	21.6	21.7
		Category 5 Waste generated in operations	ten thousand tons of CO ₂	1.2	1.0	1.0	1.0	1.2
		Category 6 Business travel	ten thousand tons of CO ₂	0.2	0.2	0.2	0.2	0.2
		Category 7 Employee commuting	ten thousand tons of CO ₂	0.6	0.6	0.6	0.6	0.7
		Category 8 Upstream leased assets	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 9 Downstream transportation and distribution	ten thousand tons of CO ₂	16.7	16.1	12.3	22.8	23.5
		Category 10 Processing of sold products	ten thousand tons of CO ₂	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts
		Category 11 Use of sold products	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 12 End-of-life treatment of sold products	ten thousand tons of CO ₂	4.5	4.2	3.9	3.7	3.9
		Category 13 Downstream leased assets	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
		Category 14 Franchises	ten thousand tons of CO ₂	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
	Category 15 Investments	ten thousand tons of CO ₂	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	Excluded due to trace amounts	
Reduction of CFC-using (Global ^{*4*21})			%	Base year	△44.8	△52.5	△62.7	△65.8
	Japan ^{*21}	%	Base year	△43.8	△50.2	△61.9	△63.1	
	Overseas	%	Base year	△47.8	△59.8	△65.2	△74.7	
Use of eco-friendly car ^{*10}			number	660	772	821	1,090	1,271
Percentage of electricity from renewable energy sources (excluding electricity sales)		Global ^{*4}	%	—	5.3	9.5	17.4	24.2

●Proper Management of Chemical Substances^{*15}

		Unit	FYE 3/2021	FYE 3/2022	FYE 3/2023	FYE 3/2024	FYE 3/2025
PRTR emissions (Japan)	(13) Acetonitrile	t	0.2	0.0	0.0	–	0.0
	(127) Chloroform	t	1.6	–	–	–	–
	(186) Methylene chloride	t	7.2	9.1	1.2	0.8	–
	(232) N,N-Dimethylformamide	t	0.0	0.1	1.7	1.5	8.7
	(438) Methyl naphthalene	t	0.8	0.8	1.0	0.9	1.2
	Total emissions	t	9.8	10.0	3.9	3.2	9.9
	(243) Dioxins	mg-TEQ	0.2	0.3	0.4	0.1	0.2
PRTR transfer volume (Japan)	(13) Acetonitrile	t	3.6	2.2	2.1	–	1.2
	(127) Chloroform	t	29.8	–	–	–	–
	(186) Methylene chloride	t	25.0	29.2	8.3	10.4	–
	(232) N,N-Dimethylformamide	t	336.2	32.8	122.0	395.9	462.9
	(438) Methyl naphthalene	t	0.0	0.0	0.0	0.0	0.0
	Total transfer volume	t	394.6	64.2	132.4	406.3	464.1
	(243) Dioxins	mg-TEQ	0.6	1.1	1.3	0.5	0.5
BOD emissions ^{*16} (Globa ^{*4})		t	–	18.0	15.4	100.4	87.7
COD emissions ^{*16}	Japan (CODmn)	t	–	36.0	32.3	58.3	93.5
	Overseas(CODcr)	t	–	–	2.3	2.6	2.3
NO _x emissions (Japan) ^{*22}		t	140.5	164.3	157.3	162.2	242.5
SO _x emissions (Japan) ^{*22}		t	66.1	95.9	97.1	90.0	80.9
VOC atmospheric emissions (Japan)		t	561.7	101.9	118.3	147.7	112.2

Method for calculating environmental data

●Circular Economy

	Calculation method	Scope of data collection
Waste amount	<p>Japan Calculated based on waste manifest in accordance with the "Act on Waste Management and Public Cleaning (Waste Management Act)"</p> <p>Overseas Calculated based on waste manifest using methods on the basis of the "Waste Management Act"</p>	<p>Japan All production-related sites of Meiji Group^{*11} All production-related sites of Meiji Seika Pharma Co., Ltd. Group^{*12} All production-related sites of KM Biologics Co., Ltd. Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2024, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

●Water

	Calculation method	Scope of data collection
Water usage volume	<p>Aggregated based on water intake volume</p> <p>Tap water: Aggregated based on invoices Water for industrial use: Aggregated based on invoices Rivers, lakes, and marshes: Aggregated based on on-site measuring instruments Ground water: Aggregated based on on-site measuring instruments Rainwater: Aggregated based on on-site measuring instruments</p>	<p>Japan Meiji Holdings Co., Ltd. Meiji Group^{*11} Meiji Seika Pharma Co., Ltd. Group^{*12} KM Biologics Co., Ltd. Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>
Water drainage volume	<p>Sewerage: Aggregated based on on-site measuring instruments Discharge into rivers: Aggregated based on on-site measuring instruments Discharge into ocean: Aggregated based on on-site measuring instruments Discharge into ground water (including irrigation): Aggregated based on on-site measuring instruments</p>	<p>Japan Meiji Holdings Co., Ltd. Meiji Group^{*11} Meiji Seika Pharma Co., Ltd. Group^{*12} KM Biologics Co., Ltd. Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

●Climate Change

【Calculation Method of Energy Consumption】

	Calculation method	Scope of data collection
Energy Consumption	<p>Japan and Overseas</p> <p><Electricity></p> <ul style="list-style-type: none"> •Electricity consumption = Aggregated values from electricity utility bills and related documents •Use of renewable energy-derived electricity: Volume of electricity procured from renewable energy sources •Green Power Certificates, etc.: Volume of certificates purchased from electricity utilities •On-site solar power generation (self-generated electricity): Aggregated based on measurements from on-site meters <p><Fuels (gas fuels and oil fuels)></p> <p>Fuel consumption (gas and oil) = Volume of fuel purchased [m³ or L] × Calorific value conversion factor [MJ/m³ or MJ/L] × Energy conversion factor [GWh/MJ]</p> <p>Gas fuels: primarily city gas</p> <p>Oil fuels: primarily diesel oil, kerosene, gasoline, and heavy fuel oil</p> <p><District Heating and Cooling (DHC)></p> <p>DHC consumption = Aggregated values from DHC provider invoices [MJ] × Energy conversion factor [GWh/MJ]</p> <p><Conversion to heat energy></p> <p>Heat energy [TJ]=Standard electricity unit [thousand kWh] × 8.64 / 1000</p> <p>Reference</p> <ul style="list-style-type: none"> •Act on Rationalizing Energy use and Shifting to Non-fossil Energy (Energy Conservation Act) •Act on Special Measures Concerning Procurement of Renewable Electric Energy by Operators of Electric Utilities 	<p>Japan</p> <p>Meiji Holdings Co., Ltd.</p> <p>Meiji Co., Ltd. Group^{*11}</p> <p>Meiji Seika Pharma Co., Ltd. Group^{*12}</p> <p>KM Biologics Co., Ltd.</p> <p>Global</p> <p>In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe</p> <p>Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

【Calculation Method of CO₂ Emissions Scope 1 and 2】

	Calculation method	Scope of data collection
Scope1	<p>Japan and Overseas</p> <p>Greenhouse Gas (GHG) Emissions = Energy Consumption × GHG Emission Factor</p> <p>Note: The emission factors used for both Japan and Overseas calculations are based on the "Act on Promotion of Global Warming Countermeasures"</p> <p>Reference</p> <ul style="list-style-type: none"> •Energy Conservation Act •Act on Promotion of Global Warming Countermeasures •The Greenhouse Gas Protocol-A Corporate Accounting and Reporting Standard (GHG Protocol Corporate Standard) 	<p>Japan</p> <p>Meiji Holdings Co., Ltd.</p> <p>Meiji Co., Ltd. Group^{*11}</p> <p>Meiji Seika Pharma Co., Ltd. Group^{*12}</p> <p>KM Biologics Co., Ltd.</p> <p>Global</p> <p>In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe</p> <p>Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

	Calculation method	Scope of data collection
Scope2	<p>Japan Greenhouse Gas (GHG) Emissions = Energy Consumption × GHG Emission Factor Note: Emission calculations are based on the “Act on Promotion of Global Warming Countermeasures” and use adjusted emission factors provided by electricity suppliers, gas suppliers and heat suppliers. (basic emission factors were used up to FY2021).</p> <p>Overseas Greenhouse Gas (GHG) Emissions = Energy Consumption × GHG Emission Factor Note: Emission factors are based on the IEA’s “Emissions from Fuel Combustion” dataset.</p> <p>Reference •Act on Rationalizing Energy use and Shifting to Non-fossil Energy (Energy Conservation Act) •Act on Promotion of Global Warming Countermeasures •IEA Emissions from Fuel Combustion •GHG Protocol Corporate Standard •GHG Protocol Scope 2 Guidance</p>	<p>Japan Meiji Holdings Co., Ltd. Meiji Co., Ltd. Group^{*11} Meiji Seika Pharma Co., Ltd. Group^{*12} KM Biologics Co., Ltd.</p> <p>Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

【Calculation Method for Scope 3】

Category	Calculation method	Scope of data collection
1. Purchased goods and services	<p>Before the FYE 3/2022 results Data used: Purchase price of raw materials, etc. (millions yen) Calculation method: CO2 emissions from Purchased goods and services = Purchase price of raw materials, etc. × emission intensity per raw material, etc.</p> <p>From the FYE 3/2023 results onward Data used: Purchase weight of raw materials, etc. (t) Calculation method: CO2 emissions from Purchased goods and services = Purchase weight of raw materials, etc. × emission intensity per raw material, etc.</p> <p>Reference •the inter-industry table of the Ministry of the Environment DB*13 •IDEA (Inventory Database for Environmental Analysis) •GHG Protocol Scope3 Guidance</p> <p>•Calculated by multiplying the purchase weight of major raw materials and packaging materials (paper, plastic, cardboard, steel, aluminum, glass) related to the food and pharmaceutical businesses by the IDEA emission intensity (For “pharmaceutical active ingredients, raw powders, raw liquids” among major raw materials, since there is no weight intensity, it is calculated by multiplying the purchase price by the IDEA emission intensity.) •From FYE 3/2023, the calculation method has been changed from the Ministry of the Environment DB*13 based on purchase price to IDEA based on purchase weight (for “pharmaceutical active ingredients, raw powders, raw liquids” for which there is no emission intensity for weight, the emission intensity for purchase price of IDEA was used).</p>	<p>Scope: Japan All production-related sites of Meiji Group^{*11} All production-related sites of Meiji Seika Pharma Co., Ltd. Group^{*12} All production-related sites of KM Biologics Co., Ltd. Meiji Food Materia Co., Ltd. and Meiji Feed Co., Ltd. added from FYE 3/2024 Contract manufactured products and purchased products added from FYE 3/2025</p> <p>Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

Category	Calculation method	Scope of data collection
2. Capital goods	<p>Data used: Capital investment price (millions yen)</p> <p>Calculation method: $\text{CO}_2 \text{ emissions from Capital goods} = \text{Capital investment price (millions yen)} \times \text{emission intensity of capital goods}$</p> <p>Reference •Emission intensity per price of capital goods in the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Meiji Group^{*14}</p>
3. Fuel- and energy-related activities (not included in Scope 1 and 2)	<p>Data used: Each energy consumption volume (electricity, steam, fuel)</p> <p>Calculation method: $\text{CO}_2 \text{ emissions from Fuel- and energy-related activities (not included in Scope 1 and 2)} = \text{Energy consumption of purchased amount} \times \text{emission intensity per energy type usage}$</p> <p>Reference •Emission intensity per electricity and heat usage volume in the Ministry of the Environment DB^{*13} •Emission intensity per fuel usage in IDEA •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan Meiji Group^{*14} Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p> <p>Fuel added from the FYE 3/2023</p>
4. Upstream transportation and distribution	<p>Data used: Purchase weight of raw materials (tons)</p> <p>Calculation method: $\text{CO}_2 \text{ emissions from Upstream transportation and distribution} =$ ①Purchase weight of raw materials \times factor obtained from the transportation scenario (travel distance: 500km, 10-ton truck with a loading ratio of 60%) ②CO₂ emissions from Meiji Co.'s logistics (specific consignors) Calculated by adding ① and ②</p> <p>Reference •Emission intensity related to "transportation" in the calculation, reporting, and public disclosure system under the Global Warming Countermeasures Act of the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan All production-related sites of Meiji Group^{*11} All production-related sites of Meiji Seika Pharma Co., Ltd. Group^{*12} All production-related sites of KM Biologics Co., Ltd. Meiji Food Materia Co., Ltd. and Meiji Feed Co., Ltd. added from FYE 3/2024 Contract manufactured products and purchased products added from FYE 3/2025</p> <p>Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>
5. Waste generated in operations	<p>Data used: Weight of industrial waste by type (tons)</p> <p>Calculation method: $\text{CO}_2 \text{ emissions from Waste generated in operations} = \text{Weight of industrial waste by type} \times \text{emission factor per type of industrial waste}$</p> <p>Reference •Emission intensity per type of industrial waste in the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan All production-related sites of Meiji Group^{*11} All production-related sites of Meiji Seika Pharma Co., Ltd. Group^{*12} All production-related sites of KM Biologics Co., Ltd. Meiji Food Materia Co., Ltd. and Meiji Feed Co., Ltd. added from FYE 3/2024 Contract manufactured products and purchased products added from FYE 3/2025</p> <p>Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>

Category	Calculation method	Scope of data collection
6. Business travel	<p>Data used: Number of Meiji Group employees Calculation method: CO2 emissions from Business travel = Number of Meiji Group employees × emission intensity per employee</p> <p>Reference •Emission intensity per number of employees & working days in the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan Meiji Group^{*14} Global</p> <p>In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe</p> <p>Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2024, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>
7. Employee commuting	<p>Data used: Number of Meiji Group employees, annual working days Calculation method: Number of Meiji Group employees × annual working days × emission intensity per working day</p> <p>Reference •Emission intensity related to “transportation” in the calculation, reporting, and public disclosure system under the Global Warming Countermeasures Act of the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan Meiji Group^{*14} Global</p> <p>In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe</p> <p>Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>
8. Upstream leased assets	Not applicable (Included in Scope 1 and 2)	—
9. Downstream transportation and distribution	<p>Data used: Total product sales volume (tons) Calculation method: CO2 emissions from Downstream transportation and distribution = Total product sales volume (tons) × intensity obtained from the transportation scenario (using 10-ton truck with a 10% load rate)</p> <p>Reference •Emission intensity related to “transportation” in the calculation, reporting, and public disclosure system under the Global Warming Countermeasures Act of the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan All production-related sites of Meiji Group^{*11} All production-related sites of Meiji Seika Pharma Co., Ltd. Group^{*12} All production-related sites of KM Biologics Co., Ltd. Meiji Food Materia Co., Ltd. and Meiji Feed Co., Ltd. added from FYE 3/2024 Contract manufactured products and purchased products added from FYE 3/2025</p> <p>Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe</p> <p>Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>
10. Processing of sold products	Excluded (due to trace amounts)	—
11. Use of sold products	Not applicable	—

Category	Calculation method	Scope of data collection
12. End-of-life treatment of sold products	<p>Data used: Weight of packaging material for sold products (tons) Calculation method: Weight of packaging material for sold products (tons) × intensity factor per type of waste</p> <p>Reference •Emission intensity per type of waste in the Ministry of the Environment DB^{*13} •GHG Protocol Scope3 Guidance</p>	<p>Scope: Japan All production-related sites of Meiji Group^{*11} All production-related sites of Meiji Seika Pharma Co., Ltd. Group^{*12} All production-related sites of KM Biologics Co., Ltd.</p> <p>Global In addition to the above, overseas production companies 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024) in China, 7 companies (5 companies in FYE 3/2024) in Asia (excluding China), 3 companies (4 companies until FYE 3/2022) in North America & Europe Until the FYE 3/2024, the performance of overseas production companies was aggregated based on the calendar year, from January to December. Starting from the FYE 3/2025, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.</p>
13. Downstream leased assets	Not applicable	—
14. Franchises	Not applicable	—
15. Investments	Excluded (due to trace amounts)	—

Unless otherwise noted, data related to the “environment” refers to the domestic Meiji Group (consolidated and equity-method affiliates). The unit factors for FYE 3/2022 results and earlier are calculated from consolidated sales before applying the “Accounting Standard for Revenue Recognition.”

The unit factors for FYE 3/2023 and beyond are calculated from consolidated sales after applying the “Accounting Standard for Revenue Recognition.”

Until the fiscal year 2023, the performance of overseas group companies was aggregated based on the calendar year, from January to December. Starting from the fiscal year 2024, performance will be aggregated on a fiscal year basis, covering the period from April to March of the following year.

- *1 ISO 14001 certification rate applies to production sites.
- *2 Applies to domestic Meiji Group only until FYE 3/2021 (consolidated and equity-method affiliates).
- *3 Only applies to industrial waste generated from production-related sites.
- *4 Meiji Group (domestic Meiji Group and 15 overseas production companies [14 companies in FYE 3/2021, 15 companies in FYE 3/2022, 14 companies in FYE 3/2023, 15 companies in FYE 3/2024]).
- *5 Data aggregated from 5 companies (5 companies in FYE 3/2021, 6 companies from FYE 3/2022 to FYE 3/2024).
- *6 Data aggregated from 7 companies (5 companies in FYE 3/2024).
- *7 Data aggregated from 3 companies (4 companies until FYE 3/2022).
- *8 Due to the prevention of the spread of COVID-19, activities were suspended, and the activities of the participating local governments were also suspended, resulting in a low implementation rate.
- *9 Japan’s CO2 emission intensity (Scope 1 and 2).
- *10 Sum of non-consolidated totals for Meiji Co., Ltd., Meiji Seika Pharma Co., Ltd., and KM Biologics Co., Ltd.
- *11 Meiji Co., Ltd. and its affiliated domestic group companies.
- *12 Meiji Seika Pharma Co., Ltd. and its affiliated domestic group companies.
- *13 Ministry of the Environment’s “Database of Emissions Unit Values for Accounting of Greenhouse Gas Emissions, etc., by Organizations Throughout the Supply Chain (Ver3.4).”
- *14 Meiji Holdings Co., Ltd., Meiji Co., Ltd. and its affiliated domestic group companies, Meiji Seika Pharma Co., Ltd. and its affiliated domestic group companies, KM Biologics Co., Ltd..
- *15 In the table, “—” indicates that the annual handling amount was less than 1 ton as defined by the PRTR Law.
- *16 The aggregation scope includes wastewater discharged into public water bodies.
The aggregation scope of BOD and COD from FYE 3/2023 includes the Meiji Group overseas (domestic Meiji Group only until FYE 3/2022).
Japan’s COD emissions are measured using potassium permanganate as an oxidizing agent.
Overseas COD emission volume is measured using potassium dichromate as an oxidizing agent.
In FYE 3/2024, both BOD and COD emissions significantly increased because data was obtained from all sites subject to aggregation.
- *17 Aggregated based on water intake volume.
- *18 Water usage (intake) volume — Water drainage volume
- *19 Water source recharge rate for Water used as raw material for products
- *20 The water source recharge rate increased significantly due to both enhanced recharge efforts and a substantial reduction in the volume of water used as raw material for products.
- *21 Following a review of equipment utilizing refrigerants, the volume of refrigerants held during the base year (FYE 3/2019) was revised. As a result, the reduction rates (Global, Japan) for each fiscal year have also been adjusted accordingly.
- *22 FYE3/2024, NOx and SOx emissions were calculated theoretically based on fuel consumption. From FYE3/2025 onward, the emissions are aggregated based on actual measured concentrations in flue gas.

Scope for the energy consumption volume (Global), the CO₂ emissions Scope 1 (Global), the CO₂ emissions Scope 2 (Global), the water usage volume (Global), and the waste amount (Japan) .

Meiji Holdings Co., Ltd., Meiji Co., Ltd. and group companies (Shikoku Meiji Co., Ltd., Tokai Meiji Co., Ltd., Gunma Meiji Co., Ltd., Tochigi Meiji Milk Products Co., Ltd., Meiji Oils and Fats Co., Ltd., Donan Shokuhin Co., Ltd., Meiji Chewing Gum Co., Ltd., Tokai Nuts Co., Ltd., Nihon Kanzume Co., Ltd., Meiji Feed Co., Ltd., Okinawa Meiji Milk Products Co., Ltd., Meiji Logitech Co., Ltd.), Meiji Seika Pharma Co., Ltd. and group companies (Ohkura Pharmaceutical Co., Ltd., Meiji Seika Pharmatech Co., Ltd.), KM Biologics Co., Ltd., PT. Meiji Food Indonesia, Meiji Seika Food Industry (Shanghai) Co., Ltd., Meiji Dairies (Suzhou) Co., Ltd., Meiji Ice Cream (Guang Zhou) Co., Ltd., Meiji Dairies (Tianjin) Co., Ltd., Meiji Food (Guangzhou) Co., Ltd., Meiji Seika (Singapore) Pte. Ltd., Laguna Cookie Co., Inc., D.F. Stauffer Biscuit Co., Inc., P.T. Meiji Indonesian Pharmaceutical Industries, Thai Meiji Pharmaceuticals Co., Ltd., Meiji Pharma Spain, S.A., Medreich Limited, Adcock Ingram Limited., Adcock Ingram Pharma Private Limited

Note that for Meiji Logitech Co., Ltd., only the fuel used by its own transport vehicles is included in the aggregation.
In addition, for industrial waste emissions in Japan, only production sites among the above are included in the aggregation.

Scope for the CO₂ emissions Scope 3 Category 1 (Japan)

Applies to Meiji Co., Ltd. and group companies (Shikoku Meiji Co., Ltd., Tokai Meiji Co., Ltd., Gunma Meiji Co., Ltd., Tochigi Meiji Milk Products Co., Ltd., Meiji Oils and Fats Co., Ltd., Donan Shokuhin Co., Ltd., Meiji Chewing Gum Co., Ltd., Tokai Nuts Co., Ltd., Nihon Kanzume Co., Ltd., Meiji Feed Co., Ltd., Okinawa Meiji Milk Products Co., Ltd., Meiji Food Materia Co., Ltd.), Meiji Seika Pharma Co., Ltd. and group companies (Ohkura Pharmaceutical Co., Ltd., Meiji Seika Pharmatech Co., Ltd.), KM Biologics Co., Ltd.'s domestic production sites for major raw materials and packaging materials (paper, plastic, cardboard, steel, aluminum, glass).

Note that Meiji Food Materia Co., Ltd. does not operate any production facilities, such as manufacturing plants or research laboratories, and is therefore excluded from the Scope 1 and Scope 2 emissions calculation boundaries. However, due to its function as a trading company with significant involvement in raw material procurement, the company is included within the Scope 3, Category 1 emissions scope.