



Greenhouse Gas Emissions Report 2026

ESPEC CORP.

ESPEC CORP. has obtained third-party assurance from Deloitte Tohmatsu Sustainability Co., Ltd. for the figures marked with  of the environmental performance data for the FY2025 (From April 1, 2025 to March 31, 2026) in Japanese version.

Scopes/Categories		FY2025 Actual (t-CO ₂ e)
SCOPE1		 3,404
SCOPE2	Market-based	 5,855
	Location-based	 15,099
SCOPE3		1,273,544
Category1	Purchased goods and services	 104,222
Category2	Capital goods	4,499
Category3	Fuel- and energy-related activities (Excluding SCOPE 1-2)	2,686
Category4	Upstream transportation and distribution	2,442
Category5	Waste generated in operations	286
Category6	Business travel	1,344
Category7	Employee commuting	1,909
Category8	Upstream leased assets	—
Category9	Downstream transportation and distribution	500
Category10	Processing of sold products	—
Category11	Use of sold products	 1,112,914
Category12	End-of-life treatment of sold products	 42,743
Category13	Downstream leased assets	—
Category14	Franchises	—
Category15	Investments	—

* As each item is calculated by rounding, the total may not match the sum of the individual items.

Reporting boundary

ESPEC CORP. and 12 consolidated subsidiaries (as of the end of March 2026). Exceptions are noted individually in the "Accounting methodology."

Accounting methodology

The calculation of GHG emissions for ESPEC CORP. and its subsidiaries is based on the "Greenhouse Gas Emissions Calculating and Reporting Manual (Ver. 6.1)"(Ministry of the Environment and Ministry of Economy, Trade and Industry, Government of Japan (MOE and METI)) and "Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (Ver.2.8)"(MOE and METI). The specific calculation methods for each Scope are as follows. Emission factors and other information are provided outside the table.

SCOPE1	Calculated as the sum of [1] and [2] below. [1] CO₂ emissions from fuel use. [2] Greenhouse gas (GHG) emissions associated with Fluorinated gases ("F-gases") leaked from manufacturing processes*1 and owned facilities*2. *1: Calculated based on the F-gases leakage per product unit during the manufacturing process, multiplied by the number of units sold and the Global Warming Potentials (GWPs). For Group companies that are unable to obtain product-specific F-gases leakage data, calculated based on ESPEC CORP.'s GHG emission intensity per unit sold, multiplied by the annual number of units sold. Calculated based on the number of units sold during the fiscal year (calendar year) for SHANGHAI ESPEC ENVIRONMENTAL EQUIPMENT CORP. *2: 1) Leakage of F-gases due to operation of facilities owned by ESPEC CORP. and its subsidiaries in Japan (hereafter "Japanese Group Companies"). 2)Leakage of F-gases due to operation and disposal of test equipment owned by Group companies outside of Japan (Leakages of F-gases due to disposal of test equipment were calculated for countries with underdeveloped F-gases recovery and destruction systems).
SCOPE2	CO₂ emissions from electricity use. [Market-based] For Japanese Group Companies, calculated based on the adjusted Emission Factors by Electric Utility. Group companies outside of Japan (excluding ESPEC NORTH AMERICA, INC.), calculated based on the Emissions Factors published by the IEA. For ESPEC NORTH AMERICA, INC., calculated based on the e-GRID. Renewable electricity is calculated using a zero emission factor and procured through non-fossil fuel certificates and similar instruments. [Location-based] For Japanese Group Companies, calculated based on the National Average Factors for General electricity transmission and distribution utility. Group companies outside of Japan (excluding ESPEC NORTH AMERICA, INC.), calculated based on the Emissions Factors published by the IEA. For ESPEC NORTH AMERICA, INC., calculated based on the e-GRID.

SCOPE3	
Category 1	Calculated by the raw materials, parts, etc. procured amount for manufacturing. Calculated based on the item-wise procurement ratio of ESPEC CORP. for group companies that cannot obtain procurement amounts by item. Calculated based on their respective procurement amounts for the fiscal year (calendar year) for ESPEC TEST EQUIPMENT (GUANGDONG) CO., LTD. and SHANGHAI ESPEC ENVIRONMENTAL EQUIPMENT CORP.
Category 2	Calculated based on the fixed assets cost amount.
Category 3	Calculated using energy consumption. Calculated based on the "Emission intensity per unit of electricity and heat consumption" and "LCI Database IDEA ver. 2.3" for ESPEC CORP. and its subsidiaries (excluding ESPEC NORTH AMERICA, INC.).
Category 4	Calculated using the fuel efficiency method for transportation in Japan where ESPEC CORP. is the consigner. Transportation where the consigners are customers was calculated at Category 9. Calculated using the distance travelled by means of transport for ESPEC NORTH AMERICA, INC. Other Group companies are excluded.
Category 5	Calculated based on the weight of waste generated from their business operations. ESPEC ENVIRONMENTAL EQUIPMENT (SHANGHAI) CO., LTD. are excluded.
Category 6	Calculated based on the business travel cost. For companies which business travel cost data by means of transport is not available, calculated based on the number of employees using "Emission intensity per employee".
Category 7	Calculated based on commuting cost. For companies which commuting cost data by means of transport is not available, calculated based on the number of employees and the number of working days using the "emissions intensity per number of employees and working days"
Category 9	Calculated only for ESPEC CORP., using the fuel efficiency method for transportation in Japan where the customer is the consigner. Transportation where the consigner was ESPEC CORP. was calculated at Category 4.
Category 11	Calculated based on the energy consumption of the sold products in use at customer sites, using the following formula. $\text{Number of units sold} \times \text{Power consumption of representative models (kWh)}^1 \times \text{product group} \times 24 \text{ hours} \times 365 \text{ days} \times \text{Operating years}^2 \times \text{Operating rate}^2 \times \text{CO}_2 \text{ emission factor of electricity}^3$ *1: For group companies which power consumption data for representative models by product group are not available, calculations for all sold products are based on the results by product group from ESPEC CORP. *2: Operating years and operating rate were assumed to be 7 years and 80% based on the "Design for Environment Guidelines (7th Edition)" established by ESPEC CORP. *3: For Japanese Group Companies, calculated based on electricity emission factors according to the destination region of sold products. For products destined for Japan, the national average emission factor was used. For products destined for countries outside Japan, IEA country-specific emission factors were used. The country-specific emission factors for the U.S., Germany, and Thailand were applied to the Americas, Europe, and Asia (excluding Japan, China, and Korea), respectively. For Group companies outside Japan, calculated based on the assumption that the country where each company is located is the destination country of sold products, using the IEA country-specific emission factors or EPA e-GRID. Calculated based on the number of units sold during the fiscal year (calendar year) for SHANGHAI ESPEC ENVIRONMENTAL EQUIPMENT CORP.
Category 12	Calculated as the sum of [1] and [2] below. [1] Assuming that the number of units discarded from the market is the same as the number of units sold during the fiscal year. Calculated based on the weight of the equipment, using the material composition ratio of the equipment, and dividing it by type and disposal method. For group companies where weight data on the material composition ratio of the equipment and dividing it by type and disposal method are not available, calculated for all products sold based on the results of ESPEC CORP.'s calculation for each product group. [2] Calculated the F-gases leakage amount released into the atmosphere at the time of product disposal for countries with underdeveloped F-gases recovery and destruction systems. For Group companies outside Japan, calculated assuming that the country where it is located as the destination country for the sold products. Calculated based on the number of units sold during the fiscal year (calendar year) for SHANGHAI ESPEC ENVIRONMENTAL EQUIPMENT CORP.

▼Emission factors and other information

- List of Calculation Methods and Emission Coefficients in the Calculation, Reporting, and Publication System (MOE and METI)
- the Global Warming Potentials (GWPs) of the "Sixth Assessment Report" (Intergovernmental Panel on Climate Change (IPCC))
- List of Emission Factors by Electric Utility (for submission in 2026) (MOE and METI)
- Emissions Factors 2025 (the International Energy Agency's (IEA)) for 2023
- Emission Intensity Database for Calculating Greenhouse Gas Emissions of Organizations through Supply Chains (Ver. 3.6) (MOE)
- LCI Database IDEA Ver.2.3 (National Institute of Advanced Industrial Science and Technology and Japan Environmental Management Association for Industry, Japan)
- GHG Emission Factors Hub(2025)(United States Environmental Protection Agency (EPA))
- e-GRID with 2023 Data(Revision 2 Released: June 12, 2025)(United States Environmental Protection Agency(EPA))
- Supply Chain Greenhouse Gas Emission Factors v1.3.0 (EPA)

(TRANSLATION)

INDEPENDENT PRACTITIONER'S ASSURANCE REPORT

August 25, 2026

Mr. Satoshi Arata
President
ESPEC CORP.

Tomohiro Goto
Representative Director
Deloitte Tohmatsu Sustainability Co., Ltd.
3-2-3, Marunouchi, Chiyoda-ku, Tokyo

We have undertaken a limited assurance engagement of the Greenhouse Gas Emissions Information indicated with  for the year ended March 31, 2026 (the "Greenhouse Gas Information") included in the "Greenhouse Gas Emissions Report 2026" (the "Report") of ESPEC CORP. (the "Company").

The Company's Responsibility

The Company is responsible for the preparation of the Greenhouse Gas Information in accordance with the calculation and reporting criteria adopted by the Company (Reporting boundary and Accounting methodology indicated in the Report). This responsibility includes the design, implementation and maintenance of internal controls relevant to the preparation of the Greenhouse Gas Information that is free from material misstatement, whether due to fraud or error. Greenhouse gas quantification is subject to inherent uncertainty because of incomplete scientific knowledge used to determine emissions factors and numerical data needed to combine emissions of different gases.

Our Independence and Quality Management

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior. We apply International Standard on Quality Management 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements*, which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our Responsibility

Our responsibility is to express a limited assurance conclusion on the Greenhouse Gas Information based on the procedures we have performed and the evidence we have obtained. We conducted our limited assurance engagement in accordance with the International Standard on Assurance Engagements ("ISAE") 3000, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*, issued by the International Auditing and Assurance Standards Board ("IAASB"), and ISAE 3410, *Assurance Engagements on Greenhouse Gas Statements*, issued by the IAASB.

(TRANSLATION)

The procedures we performed were based on our professional judgment and included inquiries, observation, inspection of documents, analytical procedures, evaluating the appropriateness of quantification methods and reporting policies, and agreeing or reconciling with underlying records. These procedures also included the following:

- Evaluating the suitability and availability of the criteria applied for the calculation and reporting of the Greenhouse Gas Information
- Identifying and assessing the risks of material misstatement in the Greenhouse Gas Information due to fraud or error
- Obtaining an understanding of the Company's internal control system, including the process to identify the Greenhouse Gas Information
- Performing site visits
- Evaluating whether the Company's methods for estimates are appropriate and have been applied consistently
- Evaluating the appropriateness of the presentation of the Greenhouse Gas Information

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement.

Limited Assurance Conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the Greenhouse Gas Information is not prepared, in all material respects, in accordance with the calculation and reporting criteria adopted by the Company.

Notes to the Readers of Independent Practitioner's Assurance Report

The above represents a translation, for convenience only, of the original Independent Practitioner's Assurance Report issued in Japanese language.