

**HEINEKEN Vietnam Brewery Limited Company**

Summary of Sustainability Indicators  
for the year ended 31 December 2024

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## **HEINEKEN Vietnam Brewery Limited Company**

### **General Information**

**Investment Registration  
Certificate No.**

4303447008

9 October 2015

The Investment Registration Certificate was issued by the Ho Chi Minh City Department of Planning and Investment. The latest amendment (7th amendment) was made on 30 June 2022.

**Enterprise Registration  
Certificate No.**

0300831132

24 October 2008

The Enterprise Registration Certificate has been amended several times with the most recent Enterprise Registration Certificate No. 0300831132 dated 31 July 2024. The Enterprise Registration Certificate and its amendments were issued by the Department of Planning and Investment of Ho Chi Minh City.

**Registered Office**

18th & 19th Floors, Vietcombank Tower,  
No. 5 Me Linh Square, Ben Nghe Ward, District 1,  
Ho Chi Minh City, Vietnam

**Auditor**

Branch of Deloitte Vietnam Audit Company Limited

No.: 0697/VN1A-HC-BC

## LIMITED ASSURANCE REPORT OF THE INDEPENDENT AUDITOR ON SELECTED SUSTAINABILITY INDICATORS

**To:** The Board of Management  
HEINEKEN Vietnam Brewery Limited Company

### *Report on Selected Sustainability Indicators*

We have been engaged with HEINEKEN Vietnam Brewery Limited Company (“the Company”) to perform a limited assurance on Selected Sustainability Indicators for the year ended 31 December 2024, in accordance with the Applicable Criteria defined by the Board of Management set out in the Summary of Sustainability Indicators (“Applicable Criteria”). These Applicable Criteria are also defined by the Board of Management of Heineken N.V. and presented in the Heineken N.V. Annual Report 2024.

### *Board of Management’ Responsibility*

The Board of Management is responsible for the preparation and presentation of the Selected Sustainability Indicators for the year ended 31 December 2024 as presented from page 5 to page 9 of this report. This responsibility includes:

- Identifying criteria for preparing and presenting the Summary of Sustainability Indicators that appropriately meet the needs of users;
- Preparing and presenting the Selected Sustainability Indicators in accordance with the Applicable Criteria;
- Determining the level of information disclosure;
- Establishing internal controls to ensure that the Selected Sustainability Indicators are prepared and presented free from material misstatements, whether due to fraud or error; and
- Keeping the auditor informed of any identified and/or controversial issues related to the disclosed information.

### *Our Independence and Quality Management*

We have complied with the independence and other ethical requirements of the International 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 behaviours.

Our firm applies International Standard on Quality Management 1 and accordingly, maintain a comprehensive system of quality management including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

## **INDEPENDENT LIMITED ASSURANCE REPORT ON SELECTED SUSTAINABILITY INDICATORS (Continued)**

### ***Our responsibility***

Our responsibility is to express a limited assurance conclusion on the Selected Sustainability Indicators based on the procedures we have performed and the evidence we have obtained in accordance with the International Standard on Assurance Engagements (ISAE) 3000 (Revised) “*Assurance Engagements other than Audits or Reviews of Historical Financial Information*”. This Standard requires that we comply with ethical requirements, plan and perform the engagement to obtain limited assurance about whether the Selected Sustainability Indicators are free from material misstatement.

The accuracy and completeness of the non-financial information, including the Selected Sustainability Indicators, is subject to more inherent limitations than financial information given its nature and the methods used for determining, calculating, sampling and estimating such information. This could have a material impact on comparability. Qualitative interpretations of relevance, materiality and the accuracy of such information are subject to individual assumptions and judgements.

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.

### ***Subject Matter and Scope of limited assurance engagement***

We performed limited assurance procedures on the Selected Sustainability Indicators for the year ended 31 December 2024 including:

- I. Reduction of CO<sub>2</sub> equivalent emissions in Scopes 1 & 2 in 2024 versus 2022 baseline (%) (page 5);
- II. Percentage of renewable energy consumption in 2024 (%) (page 6);
- III. Percentage of production sites with zero waste to landfill in 2024 (%) (page 7);
- IV. Percentage of reused returnable packaging material in production in 2024 (%) (page 8);
- V. Average water usage in 2024 (hl/hl) (page 9).

We performed limited assurance procedures on the Selected Sustainability Indicators for the year ended 31 December 2024. Our limited assurance engagement is neither related to prior periods nor extended to any other information.

### ***Summary of procedures performed***

Our limited assurance conclusion is based on the evidence obtained from performing the following procedures:

- Inquiry, primarily with the Company’s Board of Management and personnel who are responsible for the preparation and presentation of the Selected Sustainability Indicators;
- Review the appropriateness of the Company’s internal policy and process for collection, aggregation and management of information for preparation and presentation of the Selected Sustainability Indicators;
- Evaluation of the design and implementation of the control of collecting, recording, summary and reporting the Selected Sustainability Indicators;
- Re-calculation procedure in relation to the Selected Sustainability Indicators;
- Analytical procedure in relation to the Selected Sustainability Indicators;
- Inspection, on a sample basis, of vouchers, internal report provided by the Company and invoices provided by suppliers supporting the preparation and presentation of the Selected Sustainability Indicators;
- Evaluation of the appropriateness of the presentation of the Sustainability Indicators with respect to the Applicable Criteria.

**INDEPENDENT LIMITED ASSURANCE REPORT ON  
SELECTED SUSTAINABILITY INDICATORS (Continued)**

***Summary of procedures performed (Continued)***

In accordance with the Standard, we have:

- Used our professional judgement to plan and perform the engagement to give our conclusion for the limited assurance;
- Performed design and implementation testing for relevant internal controls when designing our assurance procedures, however we do not express a conclusion on their effectiveness; and
- Ensured that the engagement team possesses the appropriate knowledge, skills and professional competencies.

***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 Selected Sustainability Indicators for the year ended 31 December 2024 have not been prepared, in all material respects, in accordance with the Company's internal sustainability reporting policies.

***Other Matter***

Our scope of work only includes the Selected Sustainability Indicators above; accordingly, we do not express an assurance conclusion on other information in the Summary of Sustainability Indicators of the Company for the year ended 31 December 2024. The Selected Sustainability Indicators of the Company for the year ended 31 December 2022 are not assured.

***Use of this report and Limitation of liability***

This report has been prepared solely for the Board of Management of the Company for the purpose of reporting on the Selected Sustainability Indicators for the year ended 31 December 2024 and should not be used for any other purposes. We do not, therefore, accept any obligations or responsibilities to any other parties than the Board of Management of the Company, for the use of this report.



**Trần Hồng Quan**

**Audit Partner**

Audit Practising Registration Certificate

No. 2758-2025-001-1

**BRANCH OF DELOITTE VIETNAM AUDIT COMPANY LIMITED**

14 May 2025

Ho Chi Minh City, S.R Vietnam

**Summary of Sustainability Indicators for the year ended 31 December 2024**  
**prepared by HEINEKEN Vietnam Brewery Limited Company**

This section provides an overview of the measurements/units, key definitions, and data and statistics of the Company’s Selected Sustainability Indicators. The Selected Sustainability Indicators are presented in accordance with Applicable Criteria defined by the Board of Management. These criteria are developed in accordance with HEINEKEN N.V.’s Brew a Better World (BaBW) strategy and BaBW 2030 goals, and the Company’s internal sustainability policies and used solely by the Company’s Board of Management for the purpose of managing the Company’s sustainability objectives and activities.

The report data is aggregated from the Business Control System (“BCS”).

The reporting scope covers all 6 breweries controlled by the Company for the year ended 31 December 2024, including:

- HEINEKEN Vietnam – Vung Tau Brewery (Vung Tau);
- HEINEKEN Vietnam – Da Nang Brewery (Da Nang);
- HEINEKEN Vietnam – Hanoi Brewery (Hanoi);
- HEINEKEN Vietnam – Ho Chi Minh City Brewery (Ho Chi Minh City);
- HEINEKEN Vietnam – Quang Nam Brewery (Quang Nam); and
- HEINEKEN Vietnam – Tien Giang Brewery (Tien Giang).

**I. Reduction of CO<sub>2</sub>-equivalent (“CO<sub>2</sub>-eq”) emissions in Scopes 1 & 2 versus 2022 Baseline**

Description	Unit	2024	2022 <i>(unreviewed)</i>
CO <sub>2</sub> -eq emissions in Scopes 1 & 2	kg	2,210,524	6,965,131
<b>Reduction in 2024 versus 2022 baseline</b>	<b>%</b>	<b>68%</b>	

**Applicable Criteria:**

**Measurements/Units**

The percentage of CO<sub>2</sub>-eq emissions reduction in production in Scopes 1 and 2 in the year compared to the CO<sub>2</sub>-eq emissions in production in 2022.

$$\begin{array}{l}
 \text{Percentage of CO}_2\text{-eq emissions} \\
 \text{reduction in production} \\
 \text{in Scope 1 \& 2 (\%)}
 \end{array}
 = 1 - \frac{\text{CO}_2\text{-eq emissions in production in} \\
 \text{Scopes 1 \& 2 in 2024}}{\text{CO}_2\text{-eq emissions in production in} \\
 \text{Scopes 1 \& 2 in 2022}}$$

*In which:*

$$\begin{array}{l}
 \text{CO}_2\text{-eq emissions in production} \\
 \text{in Scopes 1 \& 2 (kg)}
 \end{array}
 = \begin{array}{l}
 \text{Fuel purchased and energy} \\
 \text{imported (MJ or kWh)}
 \end{array}
 \times \begin{array}{l}
 \text{GHG emission} \\
 \text{factors}
 \end{array}$$

**Key Definitions and Assumptions**

- The Company voluntarily reports its Green House Gas (“GHG”) emissions in alignment with GHG Protocol and Science Based Targets initiative (“SBTi”).
- The CO<sub>2</sub>-eq emissions are calculated in alignment with the GHG Protocol Corporate Accounting and Reporting Standard.

**Summary of Sustainability Indicators for the year ended 31 December 2024**  
**prepared by HEINEKEN Vietnam Brewery Limited Company**

- The CO<sub>2</sub>-eq emission sources include:
  - Scope 1: Direct emission from on-site energy sources owned or controlled by the Company. This includes emissions from combustion in owned boilers and furnaces, and fuel for owned vehicles and refrigerant.
  - Scope 2: Indirect emissions from imported (purchased) electricity, heat or steam.
- Emission factor: The energy emission factor is based on the International Energy Agency (“IEA”, <https://www.iea.org/>) for grid electricity, the Department for Environment, Food & Rural Affairs, UK (“DEFRA”) for biofuels and IPCC 5th Assessment Report for fossil fuels.
- Net zero as defined by the SBTi.
- CO<sub>2</sub>-eq emissions include emissions caused by direct emissions from combustion of fuels, indirect emissions from imported (purchased) electricity, heat or steam and emissions from refrigerant losses. Direct emission from on-site energy sources owned or controlled by the Company. This includes emissions from combustion in owned boilers and furnaces, fuel for owned vehicles.
- The Company has changed its baseline year for CO<sub>2</sub>-eq emissions reduction from 2018 to 2022 to align with the revised global baseline set by the Heineken N.V and reflect its operations in Vietnam.

**II. Percentage of Renewable Energy Consumption**

Description	Unit	2024
Total renewable energy consumption	MJ	880,200,606
Total energy consumption	MJ	894,695,279
<b>Percentage of renewable energy consumption</b>	<b>%</b>	<b>98%</b>

**Applicable Criteria:**

**Measurement/units**

The percentage of renewable energy consumption compared to the total amount of energy consumption.

$$\text{Percentage of Renewable Energy Consumption (\%)} = \frac{\text{Renewable Thermal Energy Consumption} + \text{Renewable Electricity Consumption}}{\text{Total Thermal Energy Consumption} + \text{Total Electricity Consumption}}$$

**Summary of Sustainability Indicators for the year ended 31 December 2024**  
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**Key Definitions and Assumptions**

Renewable energy consumption comprises:

- Thermal energy from renewable sources, including imported heat generated from biomass/biogas sources and owned thermal energy production from biogas.
- Electricity from renewable sources:
  - Own renewable energy production: all electricity generated from renewable resources on-site (including solar); and
  - Purchased electricity covered by Energy Attribute Certificates (“EACs”).
- Non-renewable energy sources derived from the use of diesel fuel in boilers and generators.

**III. Percentage of Production Sites with Zero Waste to Landfill**

Description	Unit	2024
Number of landfill free sites	site	6
Total number of sites	site	6
<b>Percentage of production sites with zero waste to landfill</b>	<b>%</b>	<b>100%</b>

*In which:*

Description	Vung Tau	Da Nang	Hanoi	Ho Chi Minh City	Quang Nam	Tien Giang
% Waste Diverted from Landfill	100	100	100	100	100	99.19
<b>Zero Waste to Landfill status</b>	<b>TRUE</b>	<b>TRUE</b>	<b>TRUE</b>	<b>TRUE</b>	<b>TRUE</b>	<b>TRUE</b>

**Applicable Criteria:**

**Measurement/units**

The percentage of number of landfill free sites compared to the total number of sites.

**Key Definitions and Assumptions**

- Landfill-free site: A site is considered to be landfill free in case less than 2% of the waste (in kilograms) of that site is sent to landfill.
- Waste: Material, substance, or by-product eliminated or discarded as no longer useful or required after the completion of a process. The majority of the Company’s production waste comprises of organic co-products like brewers’ grain, surplus yeast, anaerobic sludge from wastewater, spent kieselguhr and spent alcohol.
- Waste treatment destinations/methodology include reuse, human consumption, animal feed, material recycling, compost/soil improvement, energy (biogas), combustion with energy recovery, combustion without energy recovery.

**Summary of Sustainability Indicators for the year ended 31 December 2024**  
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- Landfill: deposit into or on to land, deep injection, surface impoundment (e.g., discard into pits, ponds or lagoons), release into water bodies, permanent storage (e.g., containers in a mine); sanitary landfills, all waste which is not reused, recycled or combusted/incinerated, all waste brought to landfill by parties contracted by the Company, dump and/or waste with unknown waste destination are also considered to be landfilled.

**IV. Percentage of Reused Returnable Packaging Material (“RPM”) in Production**

Description	Unit	2024	
		Bottles	Crates
Total RPM used in production	bottle/crate	542,621,108	24,371,031
Total new RPM purchased	bottle/crate	6,427,896	401,740
Total RPM used in sales volume (November 2023 – October 2024)	bottle/crate	546,056,828	25,449,949
<b>Percentage of reused RPM in production</b>	<b>%</b>	<b>98%</b>	<b>94%</b>

**Applicable Criteria:**

**Measurements/Units**

The percentage of returnable packaging material (“RPM”) reused in packaging per total RPM used in sales volume.

$$\text{Percentage of reused RPM in production (\%)} = \frac{\text{Total RPM used in production} - \text{Total new RPM purchased}}{\text{Total RPM used in sales volume (November 2023 – October 2024)}}$$

**Key Definitions and Assumptions**

- Returnable packaging material (RPM) is manufactured of durable materials and is specifically designed for multiple trips and extended life such as Crates and Bottles. Once returned from the market, RPM is sorted and then reused for packaging process. This may involve cleaning or small adjustments, so it is ready for the next use without significant definition.
- The total RPM used in production refers to the quantity of finished products, ready for distribution and suitable for market release.
- Total new RPM purchased presents total quantity of returnable package material purchased in 2024.
- Total RPM used in sales volume represents total quantity of returnable packaging material used in the finished goods sold by the Company.
- The Company’s average circulation time for RPM is approximately 60 days, meaning that on average RPM is back to production after 60 days from sales date of finished goods. Therefore, sales volume is calculated from November 2023 to October 2024 with the assumption that the returned RPM in that period would be entered into production from January 2024 to December 2024.

**Summary of Sustainability Indicators for the year ended 31 December 2024**  
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**V. Average Water Usage**

Description	Unit	2024
Average water usage in all breweries	hl/hl	2.39
Average water usage in Tien Giang brewery	hl/hl	2.54

**Applicable Criteria:**

**Measurements/Units**

Hectoliter (“hl”) water withdrawal per hl of volume produced.

$$\text{Average water usage (hl/hl)} = \frac{\text{Total Water Withdrawal (hl)}}{\text{Total Volume Beverage Produced (hl)}}$$

**Key Definitions and Assumptions**

- Total water Withdrawal: Sources of water withdrawal by production sites include groundwater or well water abstraction, water purchased from a public or private water supply company, surface water from rivers, lakes or sea and collected rainwater.
- Total volume Beverage Produced is calculated as the average volume recorded during the brewing and packaging phases.