

# Greenhouse Gas Emissions Verification Report

**To: NIPPON SHOKUBAI CO., LTD.**

## 1. Objective and Scope

Japan Quality Assurance Organization (hereafter “JQA”) was engaged by NIPPON SHOKUBAI CO., LTD. (hereafter “the Company”) to provide an independent verification on “FY2022\* calculation report of GHG emissions” (hereafter “the Report”). The content of our verification was to express our conclusion, based on our verification procedures, on whether the Report was correctly measured and calculated, in accordance with the “Calculation manual of GHG emissions” (hereafter “the Rule”) developed by the Company. The purpose of the verification is to evaluate the Report objectively and to enhance the credibility of the Report.

\*The fiscal year 2022 of the Company ended on March 31, 2023.

## 2. Procedures Performed

JQA conducted verification in accordance with “ISO 14064-3” for GHG emissions, and with “ISAE3000” for energy consumption and Carbon Neutral City Gas purchase quantity. The scope of this verification assignment covers Scope 1, 2 as GHG (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, CFC, HCFC, HFCs and PFCs) emissions, energy consumption and Carbon Neutral City Gas purchase quantity. The verification was conducted to a limited level of assurance and quantitative materiality was set at 5 percent of the total emissions in the Report. The organizational boundaries of this verification include ten production sites and four non-production sites of the Company and its group companies in Japan.

Our verification procedures included:

- Performing validation of integrated functions to check the Rule prior to the on-site assessment.
- Holding on-site verification at the Company’s two domestic sites. The location of sampling sites for on-site assessment was selected by the Company.
- On-site assessment to check the Report’s boundaries, source of GHG, monitoring points, monitoring and calculation system and its controls.
- Vouching: Cross-checking the GHG emissions, energy consumption and Carbon Neutral City Gas purchase quantity data against evidence for all sampling sites.

## 3. Conclusion

Based on the procedures described above, nothing has come to our attention that caused us to believe that the statement of the information regarding the Company’s FY2022 GHG emissions, energy consumption and Carbon Neutral City Gas purchase quantity in the Report, is not materially correct, or has not been prepared in accordance with the Rule.

GHG Emissions	Scope1	Scope2	Total
	626 thousand t-CO <sub>2</sub> e	157 thousand t-CO <sub>2</sub>	784 thousand t-CO <sub>2</sub> e
Carbon Neutral City Gas purchase quantity	28,000 thousand Sm <sup>3</sup> (15°C, atmospheric pressure)		

## 4. Consideration

The Company was responsible for preparing the Report, and JQA’s responsibility was to conduct verification of GHG emissions, energy consumption and Carbon Neutral City Gas purchase quantity in the Report only. There is no conflict of interest between the Company and JQA.



Sumio Asada, Board Director  
 For and on behalf of Japan Quality Assurance Organization  
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