

This is a translation of the certificate BR23/00000174

The management system of

# CITYGUSA SIDERURGIA LTDA

José Leandro Ribeiro, Road, s/n - Várzea Alegre, Pedro Leopoldo, MG- ZIP Code: 33255-130.Brazil.

has been assessed and certified as meeting the requirements of

## ISO 14064-1:2018 e Programa Brasileiro GHG Protocol

For the following activities

Steel industry - production of charcoal-fired pig iron.

Being the Emissions Total of 9,953.180 tons Metric of CO<sub>2</sub> equivalent (S1+ S2 Location Based), and the Emissions of S3: 64,678.283 Tons Metric of CO<sub>2</sub>.

Auditor leader: Thiago Milagres

This certificate is valid from 19 July 2023 until 18 July 2024 and remains valid subject to satisfactory surveillance audits. Issue 1. Certified since 19 July 2023



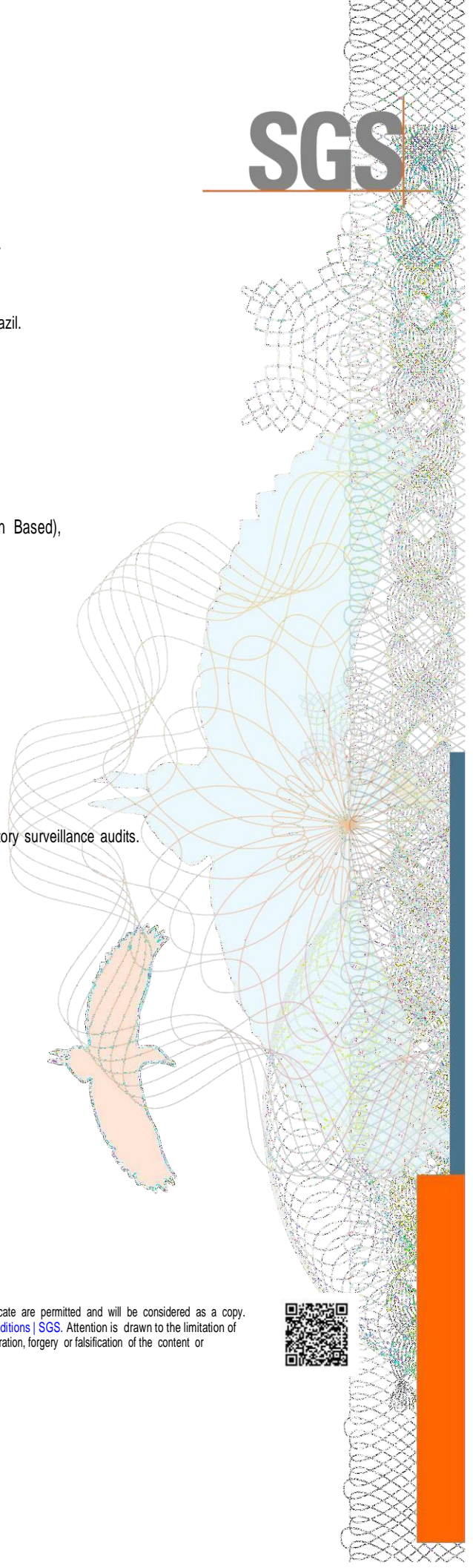
Authorised by  
Thiago Doretto

SGS do Brasil Ltda.

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SGS Was Hired by Citygusa Siderurgia Ltda, here called "Customer",  
José Leandro Ribeiro, Road, s/n - Várzea Alegre, Pedro Leopoldo, MG- ZIP Code:  
33255-130.Brazil, for the verification of the Emissions of CO<sub>2</sub>e Direct and Indirect of Gases of  
Effect Greenhouse of agreement with:

### **ISO 14064-3: 2019 & Report GHG Protocol**

According to the willing in the Declaration of Gases of Effect Greenhouse in form of inventory  
documented What Covers the Emissions of GHG of the 01/01/2022 to 12/31/2022.

### **Functions and Responsibilities**

The client is responsible for the organization's GHG information system, development and  
maintenance of records and reporting procedures under that system, including the calculation  
and determination of Emissions of GHG and the report of the Emissions of GHG.

Is responsibility of SGS express one opinion verifiable independent of the Emissions of GHG  
according to the willing in the Declaration of GHG.

SGS Made one Verification of Third party of the declaration of GHG Provided against the  
Principles of .ISO 14064-1:2018 and ISO 14064-3:2019 and the GHG Protocol Report in the  
period of 2022. The verification was based on the scope of the verification Objectives and  
criteria Agreed between the Customer and SGS at the period of the 06/19/2023 and  
06/20/2023.

### **Level reliable**

Verification with level of confidence Reasonable

### **Scope**

Period verified: 2022

Localization of Activities Citygusa Siderurgia Ltda (1 plant productive).

Activities: Steel industry - production of charcoal-fired pig iron.

The approach used was operational control.

- This Inventory addresses Scope 1 and Scope 2 Emissions in their entirety and partially  
Scope 3 Emissions.

Scope 1 - Emissions and Removals Direct of Gases of Effect Greenhouse (GHG):

- Emissions by combustion in Sources Fixed
- Emissions by combustion in Sources Mobile
- Emissions Fugitive

- Scope 2 - Power acquisition by location-based approach:
- Scope 3 - Emissions Indirect of GHG by products used by the organization –
  - Upstream transport and distribution;
  - Purchased goods and services
  - Business travel;
  - Employee displacement

In the Scope 1, 2 and 3, herself Include the Factors of emission and contents of carbon Based in information Supplied by Suppliers and by the country.

Includes the 6 Gases of Effect Greenhouse of the Convention Frame of Nations United for the Change Climatic: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>Or HFCs, PFCs, SF<sub>6</sub>.

### **Objective**

The objective of Verification is the revision of the Evidence Objective and A review independent for determine:

- Whether GHG emissions are as stated by the organization's GHG declaration.
- Whether the reported data is correct, complete, consistent, transparent and free of errors or omissions.

### **Criteria**

Criteria according to which the verification is carried out are the principles of ISO 14064:2019 and the Brazilian GHG Protocol Program.

### **Materiality**

The materiality required for verification was considered by SGS as 5%, according to the need for the declaration of Gases of Effect Greenhouse.

### **Conclusion**

The client provided the GHG declaration based on the requirements of ISO 14064-1:2018 and the GHG Report Protocol. GHG information for the period 2022, which contains the emissions presented in the tables to continuation has been Verified by SGS with one level of confidence reasonable of agreement with the scope of verification the Objectives and the criteria Agreed.

Emissions Absolute Total Citygusa Siderurgia Ltda

	CO2	CH4	N2O	HFCs	PFCS	SFs	Total GHG
Tonnes of CO2 equivalent [ tCO2e ]							
Emissions Scope 1	9,723.138	0.322	2.423	-	-	-	9,725.883
Emissions Scope 2 (Location Based)	227.297	-	-	-	N/A	N/A	227.297
Emissions Scope 1 (Market Based)	0.000	-	-	-	N/A	N/A	0.000
Emissions Scope 3	8,298.107	56,300.9	79.25	-	-	-	64,678.283
Total Emissions Scope 1 + 2 (Location Based)	9,950.435	0.322	2.423	-	-	-	9,953.180
Total Emissions Escopo 1 + 3 Biogênico	73,854.955	-	-	-	-	-	73,854.955

Emissions of other gases not regulated by the Kyoto protocol	Total GHG [tCO2e]
-	

Emissions intensity.

EMISSION INTENSITY		
Escope	VALUE	UNIT
Escope 1	0.158	t Co2 eq / ton pig iron
Escope 2	0.004	t Co2 eq / ton pig iron
Escope 3	1.052	t Co2 eq / ton pig iron
Escope 1 + 2 + 3	1.214	t Co2 eq / ton pig iron
Escope 1+2	0.162	t Co2 eq / ton pig iron

SGS's approach is based on understanding the risks associated with reporting GHG emissions information and controls to mitigate them. Our review included the evaluation of relevant evidence-based evidence Related with the Amounts and the information envelope the Emissions of GHG Informed by the organization.

We our work of verification for get the information the Explanations and the Tests What we consider necessary to obtain a reasonable level of confidence that GHG emissions for the period **2022** herself established reasonably.

We conducted our verification in accordance with the GHG declaration of **Citygusa Siderurgia Ltda**, including verification of the GHG information system, monitoring and reporting. This verification included that the provisions of the reference protocol were consistently and properly applied.

In opinion of SGS, the declaration of GHG Presented

- Is materially correct and is one representation joust of the data and the information of GHG, and
- It was prepared in accordance with ISO14064-1:2018 on GHG quantification, monitoring and reporting and

GHG Protocol

- This declaration Must Interpreted together with the declaration of GHG of **Citygusa Siderurgia Ltda**

**Note:** This statement is issued on behalf of the client by SGS do Brasil Ltda ("SGS") in accordance with its General Conditions for Verification of Gases of Effect Greenhouse Available in [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). The results Reported herself Based in the audit Performed by SGS. One copy complete of this declaration the results and the declaration of GHG of backrest herself Can consult with **Citygusa Siderurgia Ltda** This declaration No Exempts to the customer of the compliance of the charter and Regulations Federal National or Regional or of any directive Issued of conformity with These Regulations. The definitions in contrary No are Binding for SGS and SGS No Have no responsibility forehead to his Customer.