



**Greenhouse Gas Verification Statement Number:  
CCP.UK.VOL.INV.0051.2021/032522**

The inventory of Greenhouse Gas emissions in the period 1st January 2021 – 31st December 2021 for:

Mondelēz International (MDLZ)  
905 West Fulton Market, Suite 200  
Chicago, IL, 60607

has been verified by SGS according to ISO 14064-3:2006, to represent a total amount of:

**1,427,714 tonnes of CO<sub>2</sub> equivalent total GHG emissions Scopes 1 and 2, using Scope 2 market-based methodology**

**1,465,144 tonnes of CO<sub>2</sub> equivalent total GHG emissions Scopes 1 and 2, using Scope 2 location-based methodology**

**24,012,755 tonnes of CO<sub>2</sub> equivalent total GHG emissions Scope 3**

**For the following activities**

Scope 1 Emissions

- Combustion of fuels in MDLZ owned and operated facilities
- Combustion of fuels in MDLZ owned and operated mobile sources
- Fugitive emissions from MDLZ owned and operated manufacturing sites

Scope 2 Emissions:

- Indirect emissions associated with purchased electricity, heat and steam in MDLZ owned and operated facilities.

Scope 3 Emissions:

- Purchased goods and services (including effects of direct Land Use Change)
- Fuel and energy related activities
- Upstream transportation and distribution
- Waste generated in operations
- Business travel
- Employee commuting
- Downstream transportation and distribution
- Use of sold products
- End of life treatment of sold products

Authorised by:

Pamela Chadwick  
Business Manager

**Verification Statement Date: 25<sup>th</sup> March 2022**

This Statement is not valid without the full verification scope, objectives, criteria and findings available on pages 2 and 3 of this Statement.



**Schedule Accompanying Greenhouse Gas Verification Statement Number:  
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**Brief Description of Verification Process**

SGS has been commissioned by MDLZ for the verification of their calendar year 2021 direct and indirect Greenhouse Gas Emissions assertion against a GHG Inventory methodology defined by MDLZ and the principles of completeness, transparency, accuracy, consistency and relevance.

The verification was based on the verification scope, objectives and criteria as agreed between MDLZ and SGS on 18<sup>th</sup> October 2021.

**Roles and responsibilities**

The management of MDLZ is responsible for the organization's GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.

It is SGS' responsibility to express an independent verification opinion on the GHG emissions as provided in the MDLZ Assertion dated 25<sup>th</sup> March 2022 for the period 1<sup>st</sup> January 2021 to 31<sup>st</sup> December 2021.

**Objectives and Criteria**

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG assertion.
- The data reported are accurate, complete, consistent, transparent, relevant and free of material error or omission and compiled in accordance with the defined MDLZ methodology.

**Materiality**

The materiality level applied was 5% for Scope 1 & 2 emissions and 10% for Scope 3 emissions.

**Level of Assurance**

SGS undertook the verification assessment with the aim to provide a reasonable level of assurance for Scope 1 and 2 emissions and a limited level of assurance for Scope 3 emissions.

**Scope**

Emissions sources verified were from CO<sub>2</sub>e arising from MDLZ operations throughout the supply chain including:

**Scope 1 Emissions**

- Combustion of fuels in MDLZ owned and operated facilities
- Combustion of fuels in MDLZ owned and operated mobile sources
- Fugitive emissions from MDLZ owned and operated manufacturing sites

**Scope 2 Emissions:**

- Indirect emissions associated with purchased electricity, heat and steam in MDLZ owned and operated facilities.

**Scope 3 Emissions:**

- Purchased goods and services (including effects of direct Land Use Change)
- Fuel and energy related activities
- Upstream transportation and distribution
- Waste generated in operations
- Business travel
- Employee commuting
- Downstream transportation and distribution
- Use of sold products
- End of life treatment of sold products



Calculation of Scope 1 and 2 emissions was predominantly based on historical data, representative of the calendar year 2021, with limited estimation methodologies and data extrapolation. Calculation of Scope 3 emissions was based on a combination of historical data, estimation and data extrapolation.

Types of GHGs included: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>

GHG information for the following period was verified: 1<sup>st</sup> January 2021 to 31<sup>st</sup> December 2021.

Intended user of the Verification Statement: for MDLZ internal use and external publication

#### Conclusion

MDLZ GHG inventory disclosing:

- Scopes 1 and 2 GHG emissions of **1,427,714** metric tonnes of CO<sub>2</sub>e using the market-based approach for Scope 2; and,
- Scopes 1 and 2 GHG emissions of **1,465,144** metric tonnes of CO<sub>2</sub>e using the location-based approach for Scope 2

are verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria. The location-based approach reflects average emissions intensity of grids on which consumption occurs, whereas the market-based approach reflects emissions from electricity chosen by MDLZ taking account of contractual instruments, where applicable.

MDLZ GHG inventory disclosing Scope 3 GHG emissions of **24,012,755** metric tonnes of CO<sub>2</sub>e are verified by SGS to limited level of assurance, consistent with the agreed verification scope, objectives and criteria.

SGS' approach is risk-based, drawing on an understanding of the risks associated with modeling GHG emission information and the controls in place to mitigate these risks. Our examination included assessment, on a sample basis, of evidence relevant to the voluntary reporting of emission information.

Based on the data and information provided by MDLZ and the processes and procedures conducted by SGS, it is considered that the reported Scope 1 & 2 emissions are materially correct and are a fair representation of GHG data and information based on the calculation methodologies utilized.

Based on the data and information provided by MDLZ and the processes and procedures conducted by SGS, it is considered that there is no evidence to suggest that the reported Scope 3 emissions are not materially correct and are not a fair representation of GHG data and information based on the calculation methodologies utilized.

This statement shall be interpreted with the GHG assertion of the 2021 GHG inventory for MDLZ as a whole.

Note: This Statement is issued, on behalf of Client, by SGS United Kingdom Limited ("SGS") under its General Conditions for Green Gas Verification Services. The findings recorded hereon are based upon an audit performed by SGS. A full copy of the supporting GHG Assertion may be consulted at Mondelēz International, 905 West Fulton Market, Suite 200, Chicago, IL, 60607. This Statement does not relieve the Client from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.



# ASSURANCE STATEMENT

## NATURE AND SCOPE OF THE ASSURANCE/VERIFICATION

SGS United Kingdom Limited was commissioned by Mondelēz International (MDLZ), 905 West Fulton Market, Suite 200, Chicago, IL, 60607 USA, to provide independent assurance of its Manufacturing EPI data for the calendar year 2021.

The management of MDLZ is responsible for the selection, preparation and reporting of information included in its 2021 Manufacturing EPI data report. It is SGS' responsibility to express an independent opinion on the reported data within the scope of verification.

The engagement was undertaken with an objective to provide a reasonable level of assurance to MDLZ stakeholders that the reported indicators are:

- Accurate and free from material misstatement
- Reported in accordance with the principles of transparency accuracy, consistency, relevance and completeness and in accordance with a Mondelēz defined methodology.

A 5% materiality level was applied.

The calculation of reported data was predominantly based on historical data, representative of the calendar year 2021, with limited estimation methodologies and data extrapolation.

The engagement was based on the scope, objectives and criteria as agreed between Mondelēz International and SGS on 18th October 2021.

The engagement was combined with the verification of greenhouse gas emissions, and the assurance methodology employed by SGS was based upon internationally recognized standards and guidance meeting the requirements of ISAE 3000 (revised): Assurance Engagements Other than Audits or Reviews of Historical Financial Information. The assurance comprised a combination of desk-based review and interviews with relevant employees and review of evidence during site audits, remotely undertaken for the following facilities:

- Chicago Bakery , USA
- Mondelez Sheffield, United Kingdom
- Ecatepec, Mexico
- Poznan, Poland
- Matsapha, Swaziland
- Herentals, Belgium
- Svoge, Bulgaria

## STATEMENT OF INDEPENDENCE AND COMPETENCE

The SGS Group of companies is a world leader in inspection, testing and verification, operating in more than 140 countries and providing services including management systems and service certification; quality, environmental, social and ethical auditing and training; environmental, social and sustainability report assurance. SGS United Kingdom Limited affirm our independence from MDLZ, being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders. The assurance team was assembled based on their knowledge, experience and qualifications for this assignment, including experience in the assurance of environmental data.

## VERIFICATION/ ASSURANCE OPINION

Based on the data and information provided by MDLZ and the processes and procedures conducted by SGS, it is considered that the reported data below are materially correct and are a fair representation of GHG data and information based on the calculation methodologies utilized for manufacturing facilities only:

- Scope 1 emissions (excluding fugitive): 616,292 tCO<sub>2</sub>e
- Scope 2 emissions (market based): 516,552 tCO<sub>2</sub>e
- Scope 2 emissions (location based): 554,280 tCO<sub>2</sub>e
- Scope 1 & Scope 2 emissions (market based): 1,132,844 tCO<sub>2</sub>e
- Scope 1 & Scope 2 emissions (location based): 1,170,572 tCO<sub>2</sub>e

Based on the data and information provided by MDLZ and the processes and procedures conducted by SGS, it is considered that there are no material misstatements in the EPI data for; Total energy consumed, % Renewable electricity, production volumes, volume of water withdrawn (excluding borrowed / rainwater) and total waste generation, based on the calculation methodologies utilized for manufacturing facilities only:

This opinion shall be interpreted with the 2021 Manufacturing EPI report of MDLZ as a whole

**Signed:**



**For and on behalf of SGS United Kingdom Limited**  
**Pamela Chadwick, Business Manager**  
Camberley, 05 May 2022

SGS United Kingdom Limited  
Inward Way, Rossmore Business Park  
Ellesmere Port  
Cheshire  
United Kingdom  
CH65 3EN



# ASSURANCE STATEMENT

## NATURE AND SCOPE OF THE ASSURANCE/VERIFICATION

SGS United Kingdom Limited was commissioned by Mondelēz International (MDLZ), 905 West Fulton Market, Suite 200, Chicago, IL, 60607 USA, to provide independent assurance of its Health and Safety data and KPI's for the calendar year 2021. The scope of the engagement included assessment of the following Health and Safety Performance Indicators and underlying data:

- Fatalities (Contractors and visitors)
- Lost Time Injury Frequency Rate (LTIFR) Employees
- Lost Time Injury Frequency Rate (LTIFR) Contractors
- Total Injury rate (TIR)
- Occupational Illness frequency Rate.

The management of MDLZ is responsible for the selection, preparation and reporting of information included in its 2021 Health and Safety KPI report. It is SGS' responsibility to express an independent opinion on the reported data within the scope of verification.

The objective of the engagement was to provide a limited level of assurance to MDLZ stakeholders that the reported indicators are:

- Accurate and free from material misstatement
- Reported in accordance with the principles of transparency accuracy, consistency, relevance and completeness and in accordance with Mondelēz International internal procedures for Health and Safety data collection and reporting.
- The engagement was combined with the verification of environmental and greenhouse gas emissions, and the verification and assurance methodology employed by SGS was based upon internationally recognized standards and guidance, including ISO 14064-3: Specification with guidance for the validation and verification of greenhouse gas assertions, ISAE 3000 (revised): Assurance Engagements Other than Audits or Reviews of Historical Financial Information, the Principles contained within the Global Reporting Initiative (GRI) Sustainability Reporting Guidelines for accuracy and reliability and the guidance on levels of assurance contained within the AA1000 series of standards and guidance for Assurance Providers. The assurance comprised a combination of desk-based review and interviews with relevant employees and review of evidence during site audits, remotely undertaken for the following facilities: Chicago Bakery – USA, Mondelez Sheffield - United Kingdom, Ecatepec – Mexico, Poznan - Poland, Matsapha – Swaziland, Herentals – Belgium, Svoge – Bulgaria.

## STATEMENT OF INDEPENDENCE AND COMPETENCE

The SGS Group of companies is a world leader in inspection, testing and verification, operating in more than 140 countries and providing services including management systems and service certification; quality, environmental, social and ethical auditing and training; environmental, social and sustainability report assurance. SGS United Kingdom Limited affirm our independence from MDLZ, being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders. The assurance team was assembled based on their knowledge, experience and qualifications for this assignment, including experience in the assurance of environmental and Health and Safety data.

## VERIFICATION/ ASSURANCE OPINION

On the basis of the methodology described and work performed, SGS concludes that no evidence has been brought to our attention to suggest that the reported data is not materially correct and is not a fair and balanced representation of MDLZ Health and Safety performance, for manufacturing sites only, during 2021.

Signed:

For and on behalf of SGS United Kingdom Limited

**Pamela Chadwick, Business Manager**

27<sup>th</sup> April 2022

SGS United Kingdom Limited

Inward Way, Rossmore Business Park

Ellesmere Port

Cheshire

United Kingdom

CH65 3EN