

**Greenhouse Gas Verification Statement Number:
CCP.UK.VOL.INV.0051.2018/GHG/06/2019**

The inventory of Greenhouse Gas emissions in the period 1st January 2018 – 31st December 2018 for:

Mondelēz International (MDLZ)
Three Parkway North
Deerfield, IL 60015

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

1,778,580 tonnes of CO₂ equivalent total GHG emissions Scopes 1 and 2, using Scope 2 market-based methodology

1,781,225 tonnes of CO₂ equivalent total GHG emissions Scopes 1 and 2, using Scope 2 location-based methodology

21,729,925 tonnes of CO₂ 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

Lead Assessor: Clare Robertson

Technical Reviewer: Paulomi Raythatha

Authorised by:



Jonathan Hall
Business Manager

Verification Statement Date: 6th June 2019

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

SGS United Kingdom Limited. SGS House, 217-221 London Road
Camberley, Surrey, GU15 3EY, United Kingdom www.climatechange.sgs.com

Page 1 of 3





**Schedule Accompanying Greenhouse Gas Verification Statement Number:
CCP.UK.VOL.INV.0051.2018/GHG/06/2019**

Brief Description of Verification Process

SGS has been commissioned by MDLZ for the verification of their calendar year 2018 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 28th October 2018.

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 29th May 2019 for the period 1st January 2018 to 31st December 2018.

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 CO₂e 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 2018, 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: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆

GHG information for the following period was verified: 1st January 2018 to 31st December 2018.

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 **1,778,580** metric tonnes of CO₂e using the market-based approach for Scope 2; and,
- Scopes 1 and 2 GHG emissions of **1,781,225** metric tonnes of CO₂e 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 **21,729,925** metric tonnes of CO₂e 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 2018 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., Three Parkway North, Deerfield, IL 60015. 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.

**Verification Statement Number:
CCP.UK.VOL.INV.0051.2018/EPI/05/19**

SGS has been commissioned by

**Mondelēz International (MDLZ)
Three Parkway North
Deerfield, IL 60015**

to carry out an independent review of their calendar year 2018 environmental performance indicator (EPI) data for its manufacturing sites against the principles of completeness, transparency, accuracy, consistency and relevance.

The verification was undertaken according to ISO 14064-3, and was based on the verification scope, objectives and criteria as agreed between MDLZ and SGS on 28/10/2018.

Jonathan Hall
Business Manager
Signed on behalf of SGS United Kingdom Limited
Verification Statement Date: 13th May 2019

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

SGS United Kingdom Limited, SGS House, 217-221 London Road
Camberley, Surrey, GU15 3EY, United Kingdom www.climatechange.sgs.com



Roles and responsibilities

The management of MDLZ is responsible for the organization's information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of environmental performance data. Data reported by MDLZ is predominantly historical in nature, with limited estimation where necessary.

It is SGS' responsibility to express an independent verification opinion on EPI data as provided in the MDLZ Assertion dated 13th May 2019 for the period 1st January 2018 to 31st December 2018.

Objectives and Criteria

The purposes of the verification exercise were, by review of objective evidence as part of site visits to seven manufacturing facilities, and by desk review, to independently review:

- Whether the data are as declared by the organization.
- That 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

Scope

Global manufacturing facilities

Calendar Year: 2018

Data included:

- Production volume from manufacturing facilities
- Energy consumption in manufacturing facilities from stationary sources
- CO₂ equivalent emissions associated with fuel consumption from stationary sources in manufacturing facilities (Scope 1)
- CO₂ emissions equivalent associated with energy consumption from stationary sources in manufacturing facilities (Scope 2)
- Volume of water consumed
- Volume of water discharged
- Quantity of solid waste generated, treated and recycled

Materiality

The materiality level applied was 5%.

Level of Assurance

SGS undertook the verification assessment with the aim to provide a reasonable level of assurance

Conclusion

Energy data from stationary sources and associated Scope 1 and Scope 2 GHG emissions from manufacturing facilities of:

- 1,404,481 metric tonnes of CO₂ equivalent total using the market-based approach for Scope 2.



- 1,414,294 metric tonnes of CO₂ equivalent total 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 EPI data for production volumes, incoming water, waste generation, treatment and recycling data are verified by SGS to a reasonable 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 reporting of environmental performance data 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 environmental information.

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 reported energy data from stationary sources and associated Scope 1 and Scope 2 CO₂ equivalent emissions based on the measurement and 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 are no material misstatements in the reported EPI data for production volumes, incoming water, waste generation, treatment and recycling data based on the measurement and calculation methodologies utilized.

Note: This Statement is issued, on behalf of Client, by SGS United Kingdom Limited ("SGS") under its General Conditions for Greenhouse Gas Verification Services. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this statement, the findings and the supporting GHG Assertion may be consulted at Mondelēz International, Three Parkway North, Deerfield, IL 60015. 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.

NATURE AND SCOPE OF THE ASSURANCE/VERIFICATION

SGS United Kingdom Limited was commissioned by Mondelēz International (MDLZ), Three Parkway, North Deerfield, IL 60015, USA to provide independent assurance of its Health and Safety data and KPI's for the calendar year 2018. The scope of the engagement included assessment of the following Health and Safety Performance Indicators and underlying data:

- Lost Time Injury Frequency Rate (LTIFR)
- Total Injury Rate (TIR)
- Occupational Illness Frequency Rate (OIFR)

The management of MDLZ is responsible for the selection, preparation and reporting of information included in its 2018 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 (HSE 5-1, July 2017).

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, 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 visits to the following facilities: Sri City – India, Pacheco – Argentina, Bournville – United Kingdom, Fallingbostal – Germany, Salinas – Mexico, Rockford – USA, and Lagos – Nigeria.

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 2018.

Signed:



For and on behalf of SGS United Kingdom Limited
Jonathan Hall, Business Manager
Camberley, 13th June 2019

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