



VERIFICATION STATEMENT OF CARBON FOOTPRINT ASSERTIONS

Statement No.:
C573327-2021-AG-TWN-DNV

Issued date:
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This is to verify Product Carbon Footprint Inventory Report (2021) of Plastics, Synthetic Rubbers And Electronic Materials, published by

CHIMEI CORPORATION

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by CHIMEI CORPORATION (hereafter "the Company") to perform a verification of the product life cycle Carbon Footprint Inventory assertion of the Company's Product Carbon Footprint Inventory Report (2021) (hereafter the "Inventory Report") with respect to target products, and the data from CHIMEI CORPORATION at No. 398, Sec. 1, Zhongzheng Rd., Rende Dist. Tainan City, Taiwan & No. 36, Kaifa 4th Rd., Rende Dist., Tainan City, Taiwan.

Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14067:2018, as well as reference of the PRODUCT CATEGORY RULES (PCR) PLASTICS IN PRIMARY FORMS (VERSION 3.0.2, DATED 2022-08-17) applied for setting system boundary, given to provide for consistent GHG emission identification, calculation, monitoring and reporting.

Verification Statement

It is DNV's opinion that the reliability of the information within the Carbon Inventory Report for site-specific data was verified with a reasonable assurance. The Inventory Report (2021), which was published on Dec. 06, 2022 (Ver. 3), is free from material discrepancies in accordance with ISO 14067:2018.

Sophia Kim
Verifier

Place and date:
Taipei, 19 December, 2022

For the issuing office:
DNV Business Assurance Co., Ltd.
29Fl., No. 293, Sec. 2, Wenhua Rd.,
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Taiwan

Management Representative

Supplement to Statement

Process and Methodology

The reviews of the Inventory Report and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria. The Inventory Report correctly complies with the requirement of ISO 14067:2018.

Quantification of Carbon Footprint inventory analysis

The Inventory Report covering the period January 1, 2021 to December 31, 2021. Commercial LCA databases were applied for calculating life-cycle carbon emission factors. It is DNV's opinion that the Inventory Report results in quantification of Carbon Footprint that are real, transparent and measurable.

System Boundary of Verification

cradle-to-gate

Declared Unit

One kilogram (1 kg) of target product

Carbon Footprint Verified (kgCO₂e/unit)

Target Product Name	Raw Material Phase	Manufacturing Phase	Total
WONDERLITE®PC Resin	3.128	1.462	4.590
KIBIPOL®HBR Rubber/KIBIPOL®LBR Rubber	1.702	1.083	2.785
KIBIPOL®SSBR Rubber	1.887	1.083	2.970
KIBITON®TPE Rubber/KIBITON®Q Resin	2.083	1.083	3.166
POLYLAC®ABS Resin	2.589	0.427	3.016
POLYLAC®ABS Resin (High Heat Grade**)	2.735	0.443	3.178
POLYLAC®ABS Resin (Flame Retardant Grade**)	3.017	0.385	3.402
KIBILAC®ASA Resin**	3.400	0.414	3.814
POLYLAC®ABS Resin (Low Residual Monomer Grade**)	2.752	0.447	3.199
POLYLAC®MABS Resin	3.408	0.421	3.829
KIBISAN® SAN Resin	2.862	0.210	3.072
ACRYREX®PMMA Resin (Optical & General Grade)	4.491	0.352	4.843
POLYREX®PS Resin	2.595	0.248	2.843
ACRYSTEX®MS Resin (Optical & General Grade)	3.764	0.165	3.929
ACRYPOLY®Optical PMMA Sheet	4.624	1.264	5.888
ACRYSTEX®Optical MS Sheet	3.833	1.075	4.908

**Relevant product grades are described in the company's CFP inventory report.

Verification Opinion

Verified without Qualification