

Opinion Statement

Greenhouse Gas Emissions Verification Opinion Statement

This is to verify that: ZIG SHENG INDUSTRIAL CO., LTD.
2F, No. 70, Xining N. Rd.
Datong Dist.
Taipei City
10342
Taiwan

集盛實業股份有限公司
台灣
台北市
大同區
西寧北路 70 號 2 樓
10342

Holds Statement No: GHGEV 1743

Verification opinion statement

As a result of carrying out verification procedures in accordance with ISO 14064-3:2006, it is the opinion of BSI with reasonable assurance that:

- The Greenhouse Gas Emissions with the five production plants of ZIG SHENG INDUSTRIAL CO. LTD. for the period from 2019-01-01 to 2019-12-31 is 202,363.933 tonnes of CO₂ equivalent, including scope 1 emissions 37,996.1723 tonnes of CO₂ equivalent and scope 2 emissions 164,367.7603 tonnes of CO₂ equivalent.
- No material misstatements for the period from 2019-01-01 to 2019-12-31 Greenhouse Gas Emissions calculation were revealed.
- Data quality was considered acceptable in meeting the principles as set out in ISO/CNS 14064-1:2006 and the GHG Validation and Verification Guideline (行政院環保署溫室氣體查驗指引:2010).
- The emission factor for electricity for the year 2019 is not published by Taiwan government so far, the emission factor used for electricity is 0.533 kilograms of Carbon Dioxide equivalent per kWh instead which may potentially result in different Greenhouse Gas Emission estimates.
- The electricity and steam used by the DAYUAN 5th Factory district are provided by the TA-YUAN COGEN CO., LTD., and the latest emission factor is 0.7050552291 kgCO₂ per kWh and 0.3008134109 tCO₂e per tonne.

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

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Taiwan Headquarters: 2nd Floor, No. 37, Ji-Hu Rd., Nei-Hu Dist., Taipei 114, Taiwan, R.O.C.
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Location	Verification Information
ZIG SHENG INDUSTRIAL CO., LTD. 2F, No. 70, Xining N. Rd. Datong Dist. Taipei City 10342 Taiwan 集盛實業股份有限公司 台北市 大同區 西寧北路 70 號 2 樓 10342	The Greenhouse Gas Emissions with the five production plants of ZIG SHENG INDUSTRIAL CO. LTD. for the period from 2019-01-01 to 2019-12-31 is 202,363.933 tonnes of CO ₂ equivalent, including scope 1 emissions 37,996.1723 tonnes of CO ₂ equivalent and scope 2 emissions 164,367.7603 tonnes of CO ₂ equivalent.
KWEI SHAN 1st Factory district No. 60, 60-1, Dongwanshou Rd. Xinling Li Kweishan Dist. Taoyuan City 33355 Taiwan 龜山一廠 桃園市 龜山區 新嶺里 東萬壽路 60、60-1 號 33355	The Greenhouse Gas Emissions for the period from 2019-01-01 to 2019-12-31 is 16,379.477 tonnes of CO ₂ equivalent, including scope 1 emissions 127.2407 tonnes of CO ₂ equivalent and scope 2 emissions 16,252.2360 tonnes of CO ₂ equivalent.
KUAN YIN 2nd Factory district No. 552, Sec. 1, Chenggong Rd. Kuanyin Dist. Taoyuan City 32844, Taiwan 觀音二廠 桃園市 觀音工業區 成功路一段 522 號 32844	The Greenhouse Gas Emissions for the period from 2019-01-01 to 2019-12-31 is 46,015.253 tonnes of CO ₂ equivalent, including scope 1 emissions 15,845.1529 tonnes of CO ₂ equivalent and scope 2 emissions 30,170.1004 tonnes of CO ₂ equivalent.

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KUAN YIN 3th Factory district (dormitory incl.) No. 506, Sec. 1, Chenggong Rd. Kuanyin Dist. Taoyuan City 32844 Taiwan 觀音三廠 桃園市 觀音工業區 成功路一段 506 號 32844	The Greenhouse Gas Emissions for the period from 2019-01-01 to 2019-12-31 is 75,836.719 tonnes of CO ₂ equivalent, including scope 1 emissions 17,777.6150 tonnes of CO ₂ equivalent and scope 2 emissions 58,059.1037 tonnes of CO ₂ equivalent.
KUAN YIN 4th Factory district No. 2, Ronggong S. Rd. Kuanyin Dist. Taoyuan City 32849 Taiwan 觀音四廠 桃園市 觀音工業區 榮工南路 2 號 32849	The Greenhouse Gas Emissions for the period from 2019-01-01 to 2019-12-31 is 8,199.726 tonnes of CO ₂ equivalent, including scope 1 emissions 31.3948 tonnes of CO ₂ equivalent and scope 2 emissions 8,168.3316 tonnes of CO ₂ equivalent.
DAYUAN 5th Factory district No. 17, Dagong Rd. Dayuan Dist. Taoyuan City 33759 Taiwan 大園五廠 桃園市 大園區 大工路 17 號 33759	The Greenhouse Gas Emissions for the period from 2019-01-01 to 2019-12-31 is 55,932.758 tonnes of CO ₂ equivalent, including scope 1 emissions 4,214.7689 tonnes of CO ₂ equivalent and scope 2 emissions 51,717.9886 tonnes of CO ₂ equivalent.

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