



Opinion Statement



By Royal Charter

Greenhouse Gas Emissions Verification Opinion Statement

This is to verify that: HannStar Board Corporation.
No. 9, Gongye 4th Rd.
Guanyin Dist.
Taoyuan City
32853
Taiwan

瀚宇博德股份有限公司
臺灣
桃園市
觀音區
工業四路 9 號
32853

Holds Statement No: GHGEV 766684

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 Hannstar Board Corporation for the period from 2022-01-01 to 2022-12-31 was verified, including direct greenhouse gas emissions 488.2775 tonnes of CO₂ equivalent and indirect greenhouse gas emissions from imported energy 18,409.8087 tonnes of CO₂ equivalent.
- No material misstatements for the period from 2022-01-01 to 2022-12-31 Greenhouse Gas Emissions calculation were revealed.
- Data quality was considered acceptable in meeting the principles as set out in ISO 14064-1:2018.
- The emission factor for electricity for the year 2022 is not published by Taiwan government so far, the emission factor used for electricity is 0.509 kilograms of Carbon Dioxide equivalent per kWh instead which may potentially result in different Greenhouse Gas Emission estimates.

The other selected indirect GHG emissions listed in the attached table on the next page were also reported and thus verified with limited assurance, and data quality was not considered unacceptable in meeting the principles as set out in ISO 14064-1: 2018.

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

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The greenhouse gas emissions information reported by the organization for the period from 2022-01-01 to 2022-12-31 are as follows:

EMISSIONS		Notes	tonnes CO ₂ e
Category 1: Direct GHG emissions and removals			488.2775
1.1	Stationary combustion		370.4075
1.2	Mobile combustion		38.6499
1.3	Industrial processes (anthropogenic systems)		0.6307
1.4	Fugitive (anthropogenic systems)		78.5893
1.5	Land use, land use change and forestry	N/A	-
Direct emissions in tonnes of CO ₂ e from biomass			0.0000
Category 2: Indirect GHG emissions from imported energy			18,409.8087
2.1	Indirect emissions from imported electricity	location-based approach	18,409.8087
2.2	Indirect emissions from imported energy (steam, heating, cooling and compressed air)		0.0000
Category 3: Indirect GHG emissions from transportation			3.2900
3.1	Emissions from upstream transport and distribution for goods	NS	
3.2	Emissions from Downstream transport and distribution for goods	NS	
3.3	Emissions from Employee commuting	NS	
3.4	Emissions from Client and visitor transport	NS	
3.5	Emissions from Business travels	Estimated based on business travel expenses (international)	3.2900

* NS: Non significant; N/A: Non available.

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Location	Verification Information
HannStar Board Corporation. No. 9, Gongye 4th Rd. Guanyin Dist. Taoyuan City 32853 Taiwan 瀚宇博德股份有限公司 臺灣 桃園市 觀音區 工業四路9號 32853	The Greenhouse Gas Emissions for the Year 2022 was verified, including direct greenhouse gas emissions 488.2775 tonnes of CO ₂ equivalent and indirect greenhouse gas emissions from imported energy 18,409.8087 tonnes of CO ₂ equivalent.



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