

# Opinion Statement

## Product Carbon Footprint Verification Opinion Statement

This is to verify that: Air Liquide Far Eastern Ltd.  
12F.  
No. 168, Sec. 2, Fuxing 3rd Rd.  
Zhubei City, Hsinchu County 302052,  
Taiwan

亞東工業氣體股份有限公司  
臺灣  
新竹縣  
竹北市  
復興三路二段 168 號  
12 樓  
302052

Holds Statement No: PCFV 257

As a result of carrying out the verification of product life cycle greenhouse gas emissions, it is the opinion of BSI with reasonable assurance that:

- The product carbon footprint with the declared unit of one standard cubic meter hydrogen is 1.28 kilograms of CO<sub>2</sub> equivalent.
- No material misstatements in this product life cycle greenhouse gas emission statement were revealed.

The product life cycle GHG data quality was verified to be acceptable against the requirements of ISO 14067:2018.

Product	Production Site	Sales Volume SM <sup>3</sup>	Declared Unit kg CO <sub>2</sub> e/ SM <sup>3</sup>
one standard cubic meter hydrogen	TTIP	7,943,600	1.23
	Guanyin	13,933,049	1.26
	EP1	1,933,206	1.64

This statement shall be valid for a maximum period of two years after the latest issue date on this certificate. Should there be a change in the life cycle of the product whose GHG emissions are being assessed, the validity of this opinion statement will cease.



For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

Originally Registration Date: 2020-10-21

Effective Date: 2020-10-21

Latest Revision Date: 2020-10-21

Expiry Date: 2022-10-20



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Location

Verification Information

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Additional information

Product related information is as follows:

- System boundary for this product: Cradle to Gate  
The product system boundary is consistent with its system boundary definition in the PCF report for product carbon footprint, which involves the acquisition of materials, process activity and the transportation of materials in the product life cycle.
- The data in this product life cycle greenhouse gas inventory report is from 2019-01-01 to 2019-12-31.
- The site-specific data include related facilities from its own processes under the operational control of the organization and individual processes under the financial or operational control of the organization undertaking the CFP study.
- The secondary data include relative factors from EPA Carbon Footprint Calculation Platform and LCA software SimaPro 9.0.3 & Ecoinvent 3.5.

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