





## **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	Declared Unit
		SM <sup>3</sup>	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.

Managing Director BSI Taiwan, Peter Pu

For and on behalf of BSI:

Originally Registration Date: 2020-10-21

Latest Revision Date: 2020-10-21

Effective Date: 2020-10-21

Expiry Date: 2022-10-20

Page: 1 of 2

...making excellence a nabit.



The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above name client only.

Statement No: PCFV 257

Location Verification Information

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

unit of one standard cubic meter hydrogen is 1.28 kilograms of CO<sub>2</sub> equivalent.

The product carbon footprint with the declared

竹北市 復興三路二段 168 號 12 樓

302052

## 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.

Originally Registration Date: 2020-10-21 Effective Date: 2020-10-21

Latest Revision Date: 2020-10-21 Expiry Date: 2022-10-20

Page: 2 of 2