

VALIDATION OF A PRODUCT CARBON FOOTPRINT TOOL

Q8OILS

VINÇOTTE nv

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Scope

Q8 is an organization that produces a wide range of fuels, lubricants and other various petroleum derivatives globally. Driven by the ambition to communicate verified Product Carbon Footprints of products, Q8Oils developed a Product Carbon Footprint tool to efficiently and easily calculate a cradle-to-gate Product Carbon Footprint.

To develop the Product Carbon Footprint tool, Q8Oils appointed Southpole. They have made a customized excel tool to calculate the Product Carbon Footprint of various fuels, lubricants and other petroleum derivatives.

Q8 Oils has appointed Vinçotte to perform a validation of the Product Carbon Footprint tool according to the international standards:

- ISO 14067: Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification;
- UEIL: Methodology for product carbon footprint calculations for lubricants and other specialties;

The validation consisted of an independent review of:

- the correct implementation of the requirements of the aforementioned standards;
- the sources of the used emission factors, and;
- the greenhouse gas calculations.

The goal was to validate if the tool creates greenhouse gas calculations and greenhouse gas reports that are complete, reliable, transparent, accurate and free of material errors or omissions, provided that the tool is used correctly.

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Reference to the Product Carbon Footprint tool

Q8Oils BPA – PCF Tool V2 review 120824

Report of the validation

The validation process is reported in validation report, ref. Vinçotte 61349001_Q8OILS. This report can be made available on request by Q8Oils, but without disclosure of confidential business information.

Declaration of independence

The validation was carried out by Vinçotte as an independent third party.

Level of assurance

Reasonable assurance

Conclusion

Based on the information made available to us and within the scope of our engagement, it can be concluded that:

- The methodology used in the product carbon footprint tool is according to the requirements of the UEIL: Methodology for product carbon footprint calculations for lubricants and other specialties;
- The methodology used in the product carbon footprint tool is according to the requirements of the ISO 14067 standard;
- Nothing came to our attention during the validation process that would lead us to believe that the methodology used to calculate a product carbon footprint with the product carbon footprint tool developed by Southpole and Q8Oils would be materially incorrect, provided the product carbon footprint tool is used correctly.

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Josephine Carlé
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