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**Total**

January 2020

**Independent assurance report on the award of the "Total Ecosolutions" label to the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine " products**

EY & Associés



## Total

January 2020

### Independent assurance report on the award of the "Total Ecosolutions" label to the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products

Further to your request, we have performed a review in order to obtain reasonable assurance that the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products, a description of which can be found on the web site [www.total.com](http://www.total.com)<sup>1</sup> and in the external datasheet dated December 12<sup>th</sup>, 2019, have obtained the "Total Ecosolutions" label in accordance with the version 6 of the "Total Ecosolutions Guidelines" dated October 24<sup>th</sup>, 2019 (hereafter referred to as the "Guidelines"); the Guidelines, which can be downloaded from the web site [www.total.com](http://www.total.com)<sup>1</sup>, have been established on the basis of the ISO 14020 and ISO 14021 standards and were the subject of a preliminary external review which gave rise to the issue of an independent report on their design, this report also being accessible on [www.total.com](http://www.total.com)<sup>1</sup>.

We conducted our review in accordance with international standard ISAE 3000 (International Standard on Assurance Engagements) defined by IFAC (International Federation of Accountants). It is the responsibility of Total to regularly update the Guidelines, to ensure that they are made available to internal users and third parties, and to apply the Guidelines. It is our responsibility to express, on the basis of our review, a conclusion on the award of the "Total Ecosolutions" label to the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products.

#### Nature and scope of our review

To express our conclusion, we performed the following review:

- We have assessed the reliability, accuracy, understandability, neutrality, completeness and relevance of the Guidelines and the constituents of the "Total Ecosolutions" label request file for products and services.
- We have conducted interviews with the persons in charge of preparing the label request file, and analyzed the documentation available (aiming at justifying the methods of evaluation of the product's overall environmental impact and of the comparative performance evaluation with the reference product). We have also reviewed the meeting minutes and documents used during the validation process by the "Total Ecosolutions" Labelling Committee and the Total Ecosolutions Management Committee, in order to identify any risks of deviation in relation to the label award process defined in the Guidelines. However, the scope of our work did not include the verification of data used as sources for the calculation.

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<sup>1</sup> Exact address: <http://www.ecosolutions.total.com>

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Société de Commissaires aux Comptes  
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To conduct the aforementioned procedures, we called on members of our teams specialized in environment and sustainable development.

### Information or explanations

- The Guidelines aim to define the rules for the award of the "Total Ecosolutions" label, the organization and responsibilities, the methods for assessing the level of environmental performance and verifying the compliance with the Guidelines, the internal and external communication procedures as well as the rules for document management, in accordance with the requirements of the ISO 14020 and ISO 14021 standards.
- The "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products are a range of solar lamps designed to cover the potential needs of off-grid domestic lighting. The Sunshine range includes three models of solar lamps depending on the type of use: Little Sunshine lamps for auxiliary lighting (maximum capacity of 30 lumens), Family Sunshine lamps for personal lighting that can also be used to light a room and to recharge a phone battery (maximum capacity of 30 lumens) and Home Sunshine lamps which are able to light up to 3 rooms and supply energy to small domestic applications (maximum capacity of 400 lumens).
- The assessment of environmental and health performance of the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products is performed by comparison, for an equivalent service provided, with a kerosene lamp.
- The environmental assessment of the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products is based on a life cycle analysis.
- The functional unit considered is "provide 5300 hours of lighting".
- The benefits considered significant and validated by the "Total Ecosolutions" Management Committee of the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine" products are average reductions of the greenhouse effect by 90%, of the damages to the ecosystems by 98%, of the impact on human health by 96 % and of resource depletion by 98%, obtained through the use of the labelled products.

### Conclusion

In our opinion, the "Sunshine solar lamp range: Little Sunshine, Family Sunshine and Home Sunshine " products have been awarded the "Total EcoSolutions" label, in all their significant aspects, in accordance with the Guidelines.

Paris-La Défense, January 31<sup>st</sup> 2020

EY & Associés  
Sustainability Services



Christophe Schmeitzky