



According to the dossier n. DS-RAV-002 and in accordance with the inspection audit held on 17 September 2019 by the TUV NORD, we declare the compatibility of our Ravamid product with the ISO 14021: 2016 standard and we also declare that the percentage of recycled plastic product used is equal to 100%. Please note that each percentage of 'Prime' additive can affect the total percentage in accordance to the next table.

| Product   | Recycled Content | Product Recyclability | Recycled material source |
|-----------|------------------|-----------------------|--------------------------|
| Ravamid A | 70% to 100% *    | 100%                  | Post-industrial          |
| Ravamid B | 70% to 100% *    | 100%                  | Post-Industrial          |



Declaration

**Ravago Italia S.p.A.**

Quality and Regulatory Manager Europe

**P. Romano**

A handwritten signature in black ink, appearing to read "P. Romano".

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## RAVAMID DOSSIER: DS-RAV-002

# SELF-DECLARATION OF ENVIRONMENTAL PRODUCT QUALITY ECO LABEL

In accordance with ISO 14021: 2016

| P  | Items  | Terms  |
|----|--|--|
| 1  | Product name   | <b>Ravamid (A and B)</b>   |
| 2  | Product layout   | Granules   |
| 3  | Norms compliance                                       | Reach – Rohs – No Svhc   |
| 4  | Self-declaration number                                | <b>SD-07RVG</b>  |
| 5  | Declaration Holder                                     | <b>RAVAGO Italia S.p.A.</b>  |
| 6  | Validity   | Only for: <b>Ravamid A and B</b>   |
| 7  | Brief product description                              |  |
| 8  | Applications scope                                     | Automotive applications – Various Manufacturing Applications – Fornitures – Home appliances – Building Construction  |
| 9  | Image of product                                       | N/A  |
| 10 | Eco – project  | This product has been designed and built with the aim of improving and minimizing the significant environmental aspects and impacts, compared to the 'New Prime Plastic Material' related to its life cycle, therefore from the cradle to its grave. It has also been designed to favor the end-of-life where Ravamid is 100% recyclable |
| 11 | Assessing Method of ecological quality of the material | The evaluation of the ecological quality of this material passes through the analysis of the life cycle LCA (Life Cycle Assessment) of the product itself, arriving to draw of the considerations of environmental impacts that are produced during the process and cycle of life of this product.                                       |
| 12 | Choice of material                                     | The choice of materials making up the product is oriented on the exclusive use of materials coming from recycling activities from companies with environmental management systems to ensure maximum respect for the environment natural resources.   |
| 13 | Logistic   | Most of the raw materials used to make the product (when is possible) are also chosen by evaluating the logistics for their procurement, choosing to supply themselves from the companies as close as possible to the production site, and this by reducing CO2 carbon dioxide emissions   |
| 14 | Packaging  | Even our used pickings are full recyclable at 100%   |
| 15 | Assertions (next table)                                | The following describes and represents the statements indicating an environmental aspect of the product or component taken into consideration.   |

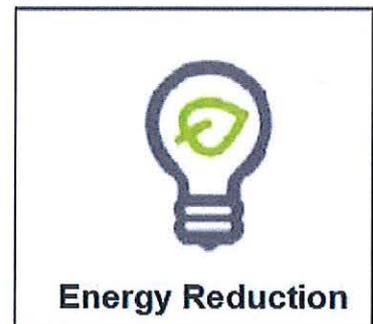
# RAVAMID DOSSIER: DS-RAV-002

## SELF-DECLARATION OF ENVIRONMENTAL PRODUCT QUALITY ECO LABEL

In accordance with ISO 14021: 2016

|   | Assertion                           | Self-declaration  |
|---|-------------------------------------|---|
| A | Compostable                         | Not Applicable  |
| B | Degradable                          | Not Applicable  |
| C | Designed for to be 100% recyclable  | Designed for a long cycle of life and 100% recyclable   |
| D | Energy reduction                    | The reduction value is form 25% to 40%  |
| E | Recycled content                    | The recycled plastic content is 100%  |
| F | Waste reduction                     | The calculated waste reduction is 100% on the plastic materials used to create the product. The company also reuses 100% production waste |
| G | Reduction of used Natural resources | With the use of this product, there is a reduced consumption of natural resources of about 40%.   |

Then, the symbols associated with the assertions are:



**Quality and Regulatory Manager Europe**

P. Romano



**Date:** Sept. 25 - 2019