

## Lower Carbon Chemicals and Packaging: A Certification Standard for Defossilising the Chemicals Industry

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Biobased and recycled raw materials, including carbon dioxide will be key to defossilising the chemicals and plastics sectors. SCS Standards, the official standards development body for Scientific Certification Systems, Inc., has developed a certification standard so companies can make robust audited claims about reducing the carbon footprint of their products. The standard provides a cradle to gate carbon intensity calculation for the real world, based on ISO 14067 and Together for Sustainability (TfS) Guidance, with a unique approach to an updating baseline that drives increased reductions over time.

The standard incorporates reduction methods such as bio and recycled content, renewable energy, carbon capture and storage and efficiency improvements. There is flexibility to allow companies to sell products with a carbon intensity tailored to the needs of individual customers. The Standard, SCS-115 has been developed with input from the chemicals industry, start-ups, and NGOs.

The following topics, in addition to those mentioned above, will be covered:

- Carbon intensity calculation methodology;
- Allocation of carbon emissions to products based on mass balance principles;
- On-Site and off-site product carbon intensity reduction;
- Compensating for emissions of the supply chain;
- Coprocessing;
- CO<sub>2</sub> uptake from the air during biomass growth;
- Alignment of biobased or recycled content and GHG emissions savings.