

ISCC PLUS JOURNEY

Together for a better future

Certificate
Holder



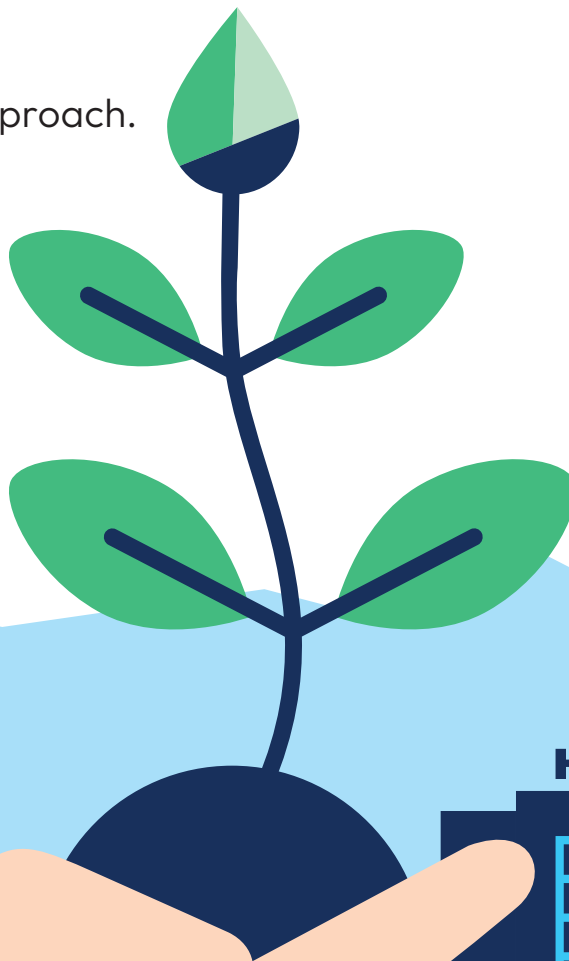
Simple.



Renewable Sources.



Innovative Approach.



HAMILTON



We are on the pulse of time

Originally crafted from glass, but now primarily made from petroleum-based plastics, laboratory consumables around the world ensure that the stringent quality standards required for advanced research are consistently met. At the same time, the challenge of making processes sustainable is growing. Hamilton is committed to focusing on sustainable as well as innovative products. In the consumables area, we are working on various initiatives to reduce the CO₂ footprint. As part of our consumables initiatives to reduce carbon emissions, Hamilton AG launched the first-ever Pipetting Tips for automation on the market, which are made of 65% - 75% (tips) and 85% - 100% (racks) ISCC PLUS-certified material linked to bio-circular feedstocks, instead of fossil feedstock via mass balance.

How did we achieve this?

We launched a new CO-RE II tip portfolio called GreenLine, linked to 65% - 75% (tips) and 85% - 100% (racks) certified bio-circular material on a mass balance basis.

- Conventional and renewable raw materials are mixed in a polymer reactor during the manufacturing process. After polymer manufacturing the portion of ISCC PLUS-certified material is allocated using mass balance calculation and sold as ISCC PLUS-certified product.
- The certified bio-circular material can be traced back to the first collection point. Every step of the supply chain is certified, which ensures full transparency and traceability of the certified material.
- The material has been awarded the ISCC PLUS certificate; the world's leading certification scheme, supporting the circular economy and bioeconomy.

What exactly does ISCC PLUS mean?

The **ISCC PLUS** standard (International Sustainability and Carbon Certification), in particular, supports the transition to a circular economy and bioeconomy. This voluntary certification standard validates the sustainability characteristics of alternative feedstocks throughout the entire supply chain, from origin to end consumer.

More information: iscc-system.org



ISCC PLUS

Traceability and Mass Balance Approach

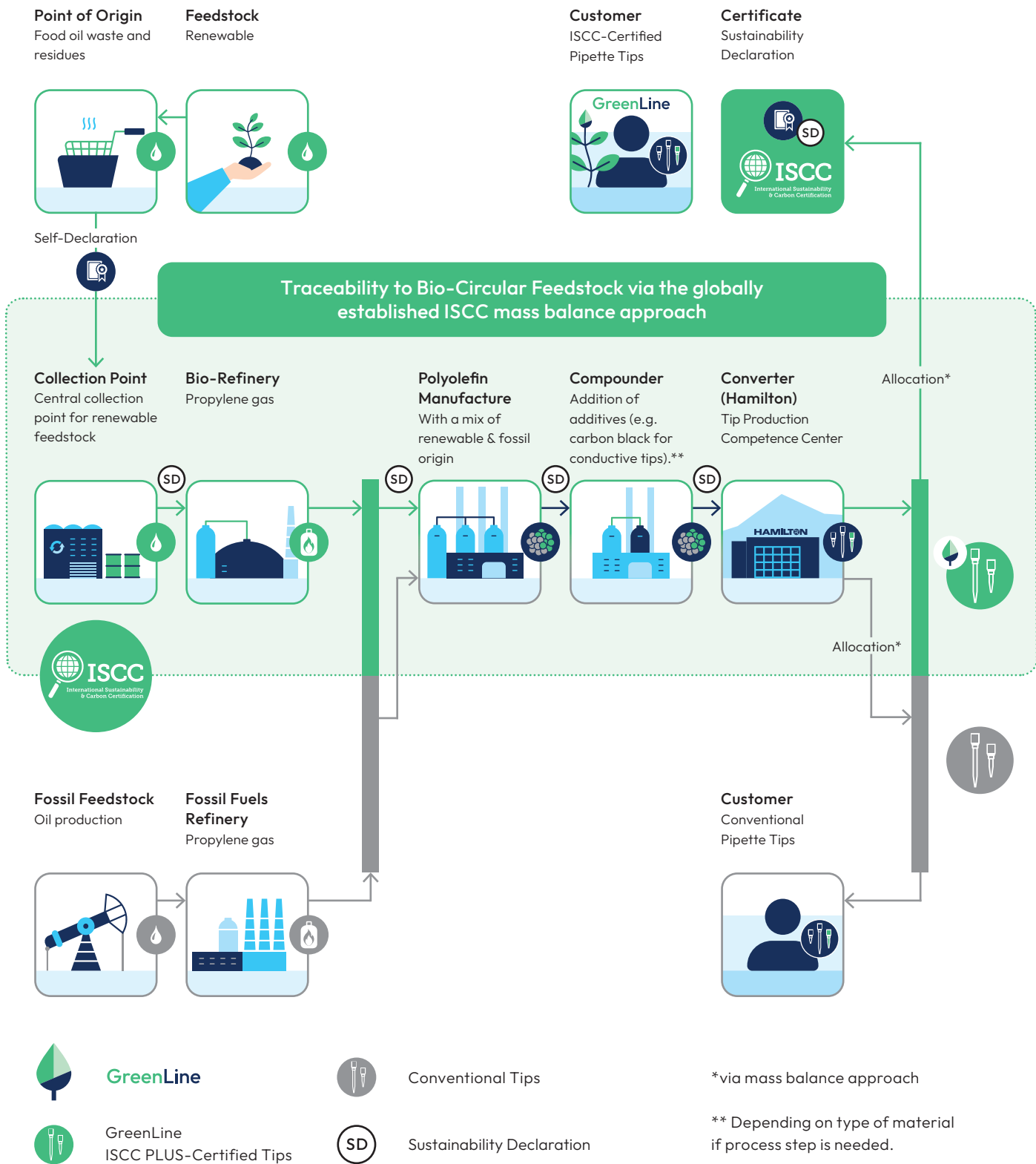


Figure 1: Schematic visualization from feedstock to final product (source: Hamilton)

What does this mean for Hamilton consumables?

As part of the consumable sustainability initiatives to ***reduce CO₂ footprint**, we now offer the ISCC PLUS-certified GreenLine CO-RE II Tips.

GreenLine CO-RE II Tips		
GreenLine Part Number	Description	Conventional (Existing) Part Number
235214	50 µL Tips, Conductive, ISCC PLUS BioCir	235966
235215	50 µL Tips, Conductive, Filter, ISCC PLUS BioCir	235948
235221	50 µL Tips, Conductive, Filter, Sterile, ISCC PLUS BioCir	235979
235222	50 µL Tips, Conductive, Stacked, ISCC PLUS BioCir	235947
235216	300 µL Tips, Conductive, ISCC PLUS BioCir	235902
235217	300 µL Tips, Conductive, Filter, ISCC PLUS BioCir	235903
235223	300 µL Tips, Conductive, Filter, Sterile, ISCC PLUS BioCir	235938
235224	300 µL Tips, Conductive, Stacked, ISCC PLUS BioCir	235950
235218	1000 µL Tips, Conductive, ISCC PLUS BioCir	235904
235219	1000 µL Tips, Conductive, Filter, ISCC PLUS BioCir	235905
235225	1000 µL Tips, Conductive, Filter, Sterile, ISCC PLUS BioCir	235940

Based on our own LCA, the materials we are using for the production of tips and tip racks, boost an impressive reduction of the Product Carbon Footprint (PCF) of our GreenLine CO-RE II Pipetting Tips, to up to 71%. The reductions for different tip sizes are indicated in the graph below.

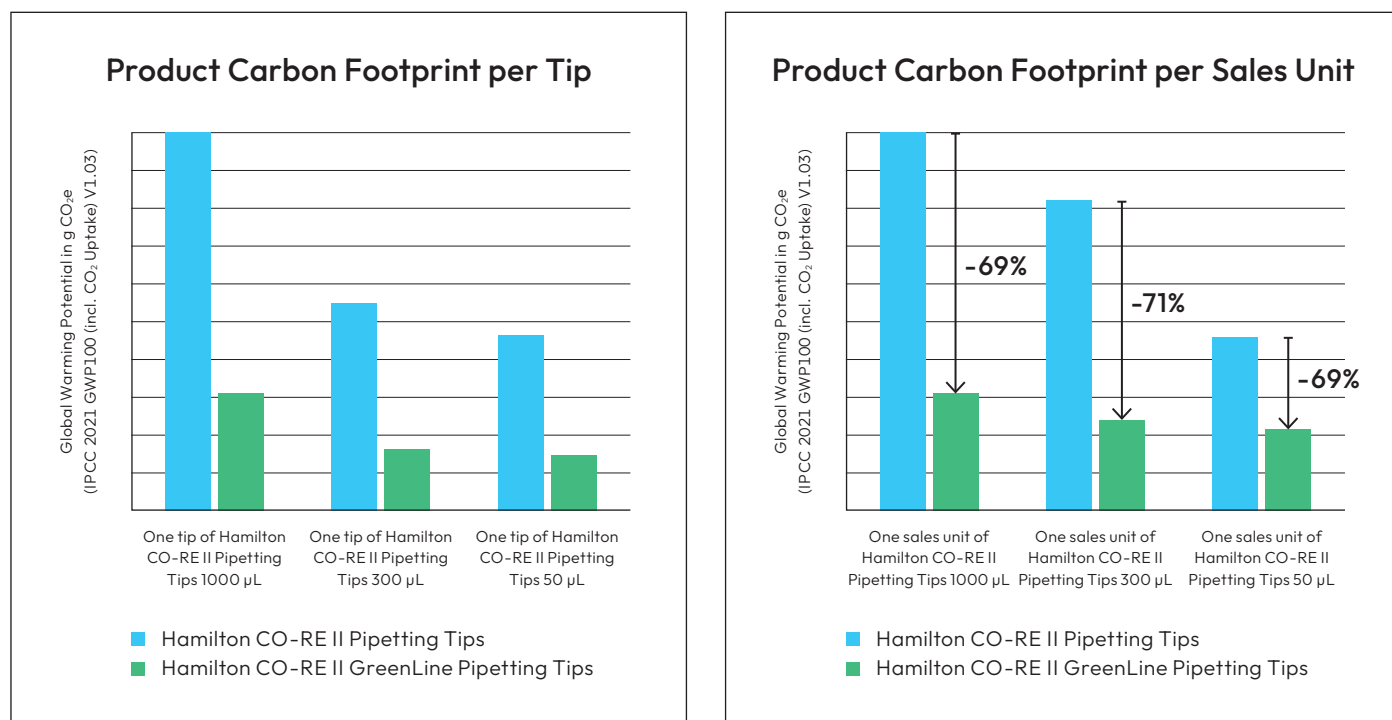


Figure 2: CO₂e reduction per each tip and per sales unit of tips, linked to bio-circular material based on calculations for the year 2024. Up to values shown, the percentage reductions represent maximum values for the respective tip type and may vary depending on tip configuration.

Haystack Oncology GmbH:

"Single-use pipette tips are a major contributor to laboratory waste and a growing sustainability concern. In high-throughput diagnostic environments, it's often difficult to identify greener alternatives that don't compromise on performance or quality. That's why we're excited about Hamilton's GreenLine tips.

ISCC-certified and thoughtfully engineered, they represent a meaningful step toward reducing our carbon footprint—without sacrificing the reliability our workflows demand."

What are the benefits?

The use of ISCC PLUS-certified GreenLine CO-RE II Tips massively* reduces the CO₂ footprint in relation to the procurement scope 3.1 (purchased goods). This can also make a significant contribution towards *reducing overall GHG (Greenhouse Gas). Furthermore, no validation or qualification is necessary, as the polymer characteristics, additive package, as well as product properties and the processing behavior of our material remains unchanged and all the product specifications are exactly the same, regardless of the feedstock source.

For more information, including current CO₂e data for specific pipetting tip types, please contact your local Hamilton representative or Hamilton directly.

Sustainability Declaration:

The customer will receive a **Sustainability Declaration** with each shipment, where the **amount of ISCC PLUS-certified material** used is declared.

Hamilton and Sustainability

By introducing the ISCC PLUS-certified GreenLine tips, Hamilton is taking another step toward a more sustainable future, with everyone playing their part, all while maintaining the highest quality and standards throughout the entire process*. By following the link below, you can download the ISCC PLUS Flyer, Brochure, Equivalency Statement and see the various Hamilton Sustainability Initiatives: hamiltoncompany.com/sustainability



*: All data (and associated statements) are calculated and verified by Hamilton AG.

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