



CO₂

Product Carbon Footprint Verification Programme

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The verification of Product Carbon Footprint (PCF) is the process used to confirm and validate the accuracy and reliability of the carbon emissions calculation. This helps ensure the truthfulness and credibility of the PCF claim and that all the requirements of international standards are met. The verification process also helps avoid greenwashing and facilitates making informed decisions.

Our carbon experts have many years of industry experience and will support you with PCF verification projects and efforts. Carrying out a verification according to ISO/IEC 17029 standard will ensure the trustworthiness of the PCF calculations. The ISO/IEC 17029 specifies the general principles and requirements for bodies performing verification as conformity assessment activities. It is considered crucial for establishing trust in claims made about products, especially in areas like environmental performance and sustainability statements. ISO/IEC 17029 focuses on three major point: competence, consistent operation and impartiality.

SCOPE

As Business Stream Products of TÜV Rheinland, we provide PCF verification services worldwide. Our verification applies to a large number of product types:

- Softlines products (apparel and home textiles, shoes and footwear, toys, cosmetics products, fashion jewellery and accessories, food contact materials, personal protective equipment)

- Hardlines products (furniture, house & kitchenware, building products, sport & leisure equipment, mechanical products)
- Electrical products (IT/audio & video, household appliances, electrical assemblies, luminaires & LED, power tools)
- Solar & commercial products (machinery products, power electronics, photovoltaic power plant equipment)
- Medical devices (wound dressings, catheters, ultrasound device, MRT machine)

VERIFICATION PROCESS

- Application for the PCF verification
- Data and information collection from the client
- Verification of the appropriateness and completeness of data gathered and assumptions
- Verification of calculations, methods, results and conclusions
- Issuing the verification report and verification statement

PCF VERIFICATION REQUEST

- Client enquiry for PCF verification
- Understand the exact request of the client
- Fill in Application PCF and Request for information
- Ensure that provided information and resources are sufficient

SCOPING & PRICING

- Scoping and effort estimate
- Preliminary capacity allocation
- Submit offer to client
- Conclude General Agreement

PROJECT PLANNING

- Define project timeline
- Assign expert(s) responsible for delivery
- Specify standards and requirements
- Outline methods and procedures

VERIFICATION ACTIVITIES

- Verification of the data collected
- On-site visit
- Verification of the previously carried out modelling and calculation
- Prepare and deliver the report and verification statement

REVIEW

- Verify completion of all activities
- Confirm sufficiency and appropriateness of evidence

DECISION

- Decision and issue of report and verification statement
- Final decision and delivery of the PCF verification report and verification statement

TÜV Rheinland InterCert Kft.
Gizella út 51-57.
1143 Budapest
tuv@hu.tuv.com

www.tuv.com

