

## Verification Report

Review of PCF At-Scale Methodology  
Prepared for Thermo Fisher Scientific  
April 17, 2026

### 1. Introduction

This document constitutes the independent, third-party verification report of Thermo Fisher Scientific’s (hereafter “Thermo Fisher”) Product Carbon Footprint (PCF) program methodology report titled *Global – System-level Product Carbon Footprint Calculation Methodology and Reporting Procedure* (hereafter “PCF methodology report”), along with associated reference and supporting documentation. The PCF methodology was developed internally by Thermo Fisher to create reliable and consistent greenhouse gas (GHG) emissions data associated with the sellable goods manufactured, assembled, or otherwise sold from Thermo Fisher’s manufacturing facilities. The verification statement applies to the PCF methodology report version dated April 7, 2026.

### 2. Scope

The review of the PCF methodology was conducted to a limited level of assurance to the short-term (2025-2030) verification requirements in the Partnership for Carbon Transparency (PACT) “Methodology for Calculating and Exchanging Cradle-to-Gate Product Carbon Footprints (PCFs)”, version 3.0, March 2025. In accordance with PACT requirements, a critical review was also conducted for conformance with applicable PCF calculation standards including both ISO 14067:2018 and the Greenhouse Gas Protocol Product Standard, September 2011.

The following documents were within the scope of the review:

- Global – System-level Product Carbon Footprint Calculation Methodology and Reporting Procedure, April 7, 2026
- Thermo Fisher Scientific Global Environmental Sustainability Data Collection and Reporting Procedure, 2025
- Watershed CEDA Methodology, 2024 and 2025 update
- Thermo Fisher Scientific PCF and Product Packaging Standard Operating Procedure (SOP), version 3, September 2, 2025
- Thermo Fisher 2025 Assurance Statement
- List of manufacturing sites and products manufactured at each for 2024-2025
- PCF data collection templates and calculation examples for instruments, plastics, chemicals/reagents, and drug products (blinded)
- PCF benchmarking summary

The critical review process followed ISO 14071:2024. It entailed reviewing the PCF methodology report and associated documents for conformance with the applicable standard requirements. Comments were prepared and submitted to Thermo Fisher and changes to the documents and responses were reviewed until adequately addressed. A final comment matrix indicating all comments have been resolved was provided along with this verification report.

### 3. Verification Statement

Based on the independent verification objectives, including a limited level of assurance to the PACT v3 methodology short-term verification requirements, I confirm that I did not find any evidence that the emission disclosures contain any material misstatement based on the applicable criteria. The PCF methodology is also verified to be in conformance with ISO 14067:2018 and the Greenhouse Gas Protocol Product Standard, 2011. Therefore, the PCFs generated in accordance with the referenced Thermo Fisher PCF methodology report, including the provisions contained therein for ensuring on-going conformance, are considered pre-verified.

In accordance with the PACT Methodology v3, this verification statement is valid for a maximum of three years ending April 17, 2029, or until the PCF underlying calculation methodology is updated. The PCF program will enable Thermo Fisher to share robust and transparent PCFs for its products, and its stated goal of increasing use of supplier-specific GHG emissions data will improve the accuracy of the PCF results over time.

### 4. Statement of Independence and Qualifications

The independent, third-party verification was conducted by me, Brandie Sebastian, an independent Life Cycle Assessment Certified Professional (LCACP) with no formal affiliation with Thermo Fisher Scientific. I confirm that I have sufficient scientific background and experience related to the development of life cycle assessments and PCFs in accordance with the referenced standards to meet the PACT v3 methodology and ISO 14071:2024 qualification requirements.



Brandie M. Sebastian, LCACP  
Owner/Principal  
Brandie Sebastian Consulting LLC  
[brandie@bsebastianconsulting.com](mailto:brandie@bsebastianconsulting.com)