



15.5.2025

Certificate of Qualification

ESD Control Items — Treston TPH workbench ESD

ESD control characteristics of *Treston TPH workbench ESD* were assessed in accordance with IEC 61340-5-1 (ANSI/ESD S20.20-2021) and IEC 61340-2-3 (ANSI/ESD STM4.1-2017). Summary of the qualification is shown in Table 1. Detailed information of qualification tests is presented in a technical report C929/2025.

Table 1: General Information

Client	Treston Oy, Sorakatu 1, 20730 Turku.
Contact	Kari Nokka, +358 40 0745008, kari.nokka@treston.com.
Dates of Test	24-28.4.2025 (C929/2025).
Author	Toni Viheriäkoski, Cascade metrology, Electrostatics laboratory, Hakulintie 32, 08500, Lohja.
Place of Test	Hemmolankatu 19, No 33, 01850, Lohja.
Conditioning	48 hours, $RH = (12 \pm 3) \%$, $T = (23 \pm 2) ^\circ\text{C}$. Verification after 24 h (72 h conditioning).
Samples under Test	Sample 1: TPH workbench ESD — T2025-65.
Test Equipment	BMM2000ESD Sn /1387, HM41 Sn M1850876, Cylindrical electrodes Warmbier 870 Sn 16599, 16596 with rubber pads Vermason VER-26276 (shore A60, 63.5 mm).
Test Method(s)	IEC 61340-2-3:2016 (ANSI/ESD STM4.1-2017)
Assessment Criteria	IEC 61340-5-1:2024 (ANSI/ESD S20.20-2021)
Summary of Results	The samples met the requirements of working surfaces in low humidity environment. Resistances to groundable point and point to point resistances were below $1 \times 10^9 \Omega$. Results and observations are presented in a technical report C929/2025.
Note	This certificate may only be reproduced in full, except with the prior written permission by issuing laboratory. The results relate only to the tested items.
Date and place	Author
	 
Lohja 15.5.2025	Toni Viheriäkoski, CEO, Cascade Metrology, ESD Engineer

TRESTON