

18.3.2017

# Certificate of Qualification

## *ESD control items – Workstations Treston Concept and WB*

ESD-control characteristics of Treston Concept and WB workstations were assessed in accordance with IEC 61340-5-1 and IEC 61340-2-3. Summary of the qualification is shown in Table 1. Detailed information is presented in a technical report C518/2017.

*Table 1: General Information*

|                     |                                                                                                                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client              | Treston Oy, Sorakatu 1, 20730 Turku                                                                                                                                                                                                                        |
| Contact             | Kimmo Lehti, +358 50 395 8562, kimmo.lehti@treston.com                                                                                                                                                                                                     |
| Dates of Test       | March 12 - 17, 2017 ( C518/2017)                                                                                                                                                                                                                           |
| Place of Test       | Cascade Metrology, Electrostatics Laboratory, Hakulintie 32, 08500 Lohja GSM +358 4456 88 599                                                                                                                                                              |
| Conditioning        | 48 hours, $RH = (12 \pm 3) \%$ , $T = (23 \pm 2) ^\circ C$                                                                                                                                                                                                 |
| Samples under Test  | Sample 1: Concept motorized ESD workstation 10349015P+TT10060-ESD with accessories, SN 5219, 01/2017<br>Sample 2: WB811 EL ESD motorized workstation with accessories SN 7154, 01/2017                                                                     |
| Test Equipment      | BMM2000ESD Sn /1387, HM41 Sn M1850876, Cylindrical electrode Vermason 222008, Concentric ring electrode Vermason 222002                                                                                                                                    |
| Test Method(s)      | IEC 61340-2-3:2016, Edition 2.0, Electrostatics – Part 2-3: Methods of test for determining resistance and resistivity of solid materials used to avoid electrostatic charge accumulation                                                                  |
| Assessment Criteria | IEC 61340-5-1:2016, Edition 2.0, Electrostatics – Part 5-1: Protection of electronic devices from electrostatic phenomena                                                                                                                                  |
| Summary of Results  | The samples met the requirements of working surfaces according to IEC 61340-5-1. Resistance to groundable point and point to point resistances were below $1 \times 10^9 \Omega$ . Results and observations are presented in a technical report C518/2017. |
| 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 18.3.2017     | Toni Viheriäkoski, CEO, Cascade Metrology, ESD Engineer                                                                                                                                                                                                    |

